



# Metcalf Energy Center

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October 14, 2003

Mr. Steve Munro, Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street, MS 2000  
Sacramento, CA 95814

**Subject: Metcalf Energy Center 99-AFC-3**  
**Monthly Compliance Report #24, September 1 – 30, 2003**

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period from September 1 – 30, 2003.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 361-4805.

Sincerely,

A handwritten signature in black ink that reads "Mark Smolley".

Mark Smolley  
Environmental Compliance Manager  
METCALF ENERGY CENTER

Enclosures

cc: Michael Argentine, Calpine  
Nick LaPorte, Calpine  
Sam McIntosh, Calpine  
Document Control, Calpine  
Don Wimberly, Willdan

**Metcalf Energy Center  
99-AFC-2**

**Monthly Compliance Report #24  
September 1 – September 30, 2003**

**1. Project construction status**

**Foundations:** Poured mud mats for steam turbine and HRSG #1 foundations. Installing rebar, piping and electrical embeds for steam turbine foundation.

**Excavation:** Installed construction trailer parking area. Moving spoils pile. Excavating for duct banks and underground piping.

**Underground Utilities Installation:** Began installation of underground utilities including duct banks and piping.

**Material Preservation:** The combustion turbines and related equipment stored on site were inspected for long-term preservation. The initial Steam Turbine Condenser parts arrived.

**Engineering:** The engineering progress is approximately 92% complete (progress modified for change in scope and time extension). Engineering continues to support construction and preparation of subcontract packaging needs.

1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
  - Drawings for Cooling Tower and Pump structure foundations.
  - Resolution of CBO comments on Iso-Phase Bus Support Foundations
  - Resolution of CBO comments on CTG Step-up and Aux. Transformer Foundation.

2) Engineering Tasks:

- Reviewed Water Treatment System vendor drawings
- Issued updated grounding drawings and coordinated grounding with switchyard.
- Relay coordination study is underway.

3) Major Equipment

- The following equipment are in the bid process:
  - a) Fire pump system
  - b) Shop fabricated tanks
  - c) CEMS
  - d) Misc. horizontal pumps
  - e) Closed cooling water heat exchangers
  - f) Compressed air system

### **Activities planned for October 2003**

**Foundations:** Continue work on steam turbine foundation and HRSG Foundations.

**Earthwork:** Complete contractor temporary trailer area and complete spoil pile removal.

**Underground Piping:** Continue underground piping installation in priority area 1. Install piping embeds in steam turbine foundation.

**Underground Electrical:** Continue installing duct banks in priority area 1.

**Material Receiving and Preservation:** Receive Steam Turbine Condenser water box sections. Continue material storage and preservation as appropriate. Prepare restoration from hibernation program.

#### **Engineering:**

- **General**
  - Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower, major pumps, water treatment system, PDC, Iso-Phase Bus and other equipment
  - Continue to support construction
  - Support Switchyard subcontractor's design development
- **Mechanical**
  - Issue Air Extraction, Auxiliary Steam, Oil Piping
  - Stress finalization and checking for Turbine/Steam Drains
  - Issue Revised underground piping
  - Continue work on Line and Valve Lists, System Descriptions, Fuel Gas, Instrument Air and Waste Water Piping.
- **Civil /Structural/Architectural**
  - Issue STG Platform – Architectural Package
  - Work on Ammonia Storage area Dike foundation
  - Issue CTG Sound Enclosure Package.
- **Electrical**
  - Ongoing review of PDC vendor drawings
  - Issue Hazardous Classification and Layout drawings
  - Issue Rev A of the Relay Coordination Study
  - Progress with entering cables and routing in database.
  - Wiring Diagrams
  - Continue with switchyard Interface Coordination
- **Instrumentation:**
  - Continue to review and comment on P&IDs
  - Review and comment on vendor drawings
  - Work on Fuel Gas system changes
  - Work on Control Logic Diagrams
  - Work on Instrument Location Plans

### **MEC Litigation Update**

1. STCAG lawsuit against the City: recycled water line (Pending)
  - a. STCAG has sued to stop the City's construction of its preferred waterline route.
  - b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
  - c. STCAG appeal brief was filed in December. Calpine, the City of San Jose and the Santa Clara Valley Water District all filed responses. The CEC filed an amicus brief. STCAG has now filed a reply. Once a brief is filed, the Court can set the hearing at any time thereafter.
  - d. STCAG has requested that a date be set for Oral Argument and the Court will determine a date.
  - e. *No Change.*
2. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)
  - a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
    - i. The case was filed on 9/9/02 and served on 9/17/02.
    - ii. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
    - iii. Hearing dates will be set thereafter.
    - iv. BAAQMD late field its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was filed on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC, BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.
    - v. Demurrers were filed by Calpine, the CEC and the BAAQMD on November 26, 2002.
    - vi. December 19, 2002 hearing continued to January 2, 2003.
    - vii. January 2, 2003 hearing: Superior Court issues oral order granting MEC's Demurrer without leave to amend. Order and notice of judgment in favor of MEC, the BAAQMD, and the CEC currently being drafted by BAAQMD.
    - viii. The Proposed Order was sent to the Judge to be signed on February 19, 2003.
    - ix. The Order was signed by the Judge on February 27, 2003 and filed with court on March 3, 2003.
    - x. Possible Appeal to the 1st Dist. Ct. of Appeals
    - xi. Notice of Appeal was filed on April 28, 2003
  - b. First District Court of Appeals

- i. On April 28, 2003, STCAG filed their Notice of Appeal, announcing their intent to file suit challenging the San Francisco Superior Court's decision.
- ii. On June 11, 2003, the Appeals Court sent a notice that the Reporter's transcript on appeal has been completed and certified to the Court of Appeal. Pursuant to the Notice, we are waiting for a briefing schedule from the Court.
- iii. On June 16, 2003, the Appeals Court sent a notice stating that Appellants' opening brief will be due 30 days from the date of the letter, or July 16, 2003.
- iv. On July 11, 2003, Appellants filed a Motion for Extension of Time to File Brief.
- v. On July 14, 2003, the Appeals Court granted Appellants' Motion for Extension until August 14, 2003.
- vi. *On September 8, 2003, Appellants filed their opening brief. Respondent's brief due on October 8, 2003.*

## **2. Documents required to be submitted with Monthly Compliance Report**

<b>CONDITION</b>	<b>SUMMARY</b>
AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	Twelve ultra-low sulfur diesel fuel receipts are attached.
AQ-52	Off-road diesel fired equipment usage lists are attached.
BIO-2	Designated Biologist's summary report is attached.
BIO-6	WEAT training was presented to 88 personnel.
CUL-5	WEAT training was presented to 88 personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training was presented to 88 personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month = 283,418.
GEN-2	Updated drawing list is available upon request.
GEN-3	No CBO payments were made.
TRANS-1	No oversize/overweight permits were obtained.

## **3. Compliance matrix**

A Compliance Matrix is attached.

## **4. Conditions that have been satisfied during the reporting period (CBO submittals and approvals can be found in #12)**

CUL-16	Submitted name of additional Native American Monitor.
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CUL-19	Submitted pedestrian survey of potable water line route.
LAND-6	Submitted photographs of geotextile fabric & fill material installation in Contractor Trailer Parking Area.
LAND-10	Submitted rationale on why soil separation is not needed for the potable water line, sanitary sewer line, and gas line.
SOIL&WATER-8	Submitted clarification on source of potable water.
TSE-1	Submitted a Generator Special Facilities Agreement.

**5. Submittal deadlines not met**

- VIS-1 & VIS-9: A revised Architectural Treatment Plan was submitted to the City of San Jose for their review. The Plan includes revised visual simulations and will be submitted to the CEC after the City of San Jose concludes their review.

**6. Approved COC changes**

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
- An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

**7. Filings or permits with other agencies**

None.

**8. Projection of project compliance activities for next two months.**

CONDITION	SUMMARY
AQ-48	Will follow dust mitigation measures.
AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
PAL-3	Training will be provided as needed.
PAL-4	Paleo specialist will perform required duties when necessary.
VIS-9	Will respond to CEC comments on architectural treatment.
LAND-3	Will provide notification that eastern and southwestern equipment boundaries have been marked and are ready for inspection.
SOIL&WATER-2 and 3	Will submit storm water pollution prevention plan and erosion control plan for construction of the sewer line and

potable water line.

**9. Additions to on-site compliance file**

- Silt fence inspection logs
- Straw bale and wattle inspection logs
- Erosion and sediment control inspection logs
- Water truck (dust control) logs
- Biological monitor daily logs
- WEAT training logs
- Daily logs (fugitive dust and public road inspections)
- Ultra low sulfur fuel receipts

**10. Requests to dispose of items in compliance file**

None

**11. Listing of complaints, notices of violations, official warnings, and citations**

**Listing of calls received on MEC public information line**

None.

**12. List of facility design submittals, comments and approvals to CBO**

Submittal matrix attached. CBO comments received during the month are attached.

**CBO Approvals:**

- STRUC-1, STG Pedestal, 18 Drawings
- STRUC-1, Typical Concrete Embedment Detail, 3 Drawings
- CIVIL-1, Temporary Facilities Plan, 1 Drawing

**CONDITION OF CERTIFICATION AQ-48**  
**SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust and for tracked material on public roads. Logs are kept on file as part of the Storm Water Pollution Prevention Plan. The following activities were conducted during the month of September.

- A water truck and operator were on site daily to moisten unpaved areas. The water truck was utilized 19 days in September.
- Hydroseeded areas are well covered.
- A mechanical sweeper removed dust from the access road, Blanchard Road, and Monterey Road on the following days: 9/17, 9/18, 9/23 through 9/26, and 9/30.

**CONDITION OF CERTIFICATION AQ-52**  
**ULTRA-LOW SULFUR FUEL RECEIPTS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

From: TOP GRADE-SHOP OPER.

925 371 8483

12/2003 07:07 #109 P.001

# Coast Oil Company, LLC

Marketers & Manufacturers  
"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351  
RESALE NO. SR GH 97953643  
FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720  
OFFICE FAX (408) 255-5263  
PLANT (408) 251-0811  
ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344

HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-535-5053

DATE: 09-11-03

INVOICE NUMBER 230108

SOLD TO: 915  
TOP GRADE CONSTRUCTION, INC.

SHIP TO: 915  
TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS STREET  
LIVERMORE, CA 9455050 CONTRACTORS STREET  
LIVERMORE, CA 94550

(408) 287-2227

(925) 449-5764

DUE DATE

ORDERED BY PURCHASE ORDER NUMBER

SALESMAN

TERMS

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	DEDEAUX	NET 30	TIME IN	TIME OUT	MILES
7	09-11-03	99	99					7

NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	TAXES	PRICE	AMOUNT
GALS ECD1	RED ULTRA LOW SULPHUR DIESEL FEDERAL SUPERFUND OIL SPILL FEE  PER NELSON WILL CALL 9/11/03 EA	500 500 500	500 500 500	X X T 500			

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX 3.25	TOTAL →

PAST DUE AFTER  If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

RECEIVED IN GOOD ORDER 

PRINTED NAME

X

CHECK NO.

CHECK AMOUNT

PLEASE PAY FROM THIS INVOICE

From: TOP GRADE-SHOP OPER.

925 371 8483

06/2003 05:10 #111 P.001

09/15/03 03:08 PM PDT Coast Oil Company

Page 1 of 1 #4721 BE

**Coast Oil Company, LLC** *Marketers & Manufacturers**"since 1935"*

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351

RESALE NO. SR GH 97953643

FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720

OFFICE FAX (408) 255-5263

PLANT (408) 251-0811

ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-535-5053

DATE: 09-15-03

INVOICE NUMBER 230395

915

SOLD TO: TOP GRADE CONSTRUCTION, INC.

915

SHIP TO: TOP GRADE CONSTRUCTION, INC.50 CONTRACTORS STREET  
LIVERMORE, CA 94550

WILL CALL

(408) 287-2207

(925) 449-5764

ORDERED BY		PURCHASE ORDER NUMBER		SALESMAN		TERMS		DUE DATE	
		602-999-05		DEDEAUX		NET 30		10-16-03	
ROUTE NUMBER		DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES	
0		09-16-03		99				0	
NO. OF PKGS	BULK OR PKG. SIZE	PRODUCT DESCRIPTION			QUANTITY ORDERED	QUANTITY DELIVERED	TAXES FED STATE SALES	PRICE	AMOUNT
	GALS	RED ULTRA LOW SULPHUR DIESEL FEDERAL SUPERFUND OIL SPILL FEE  WILL CALL TUES 9/16 NR			1000	1000 1000 1000	X X T	1.14981 0.00000 0.00119	1,149.81 0.00 1.19
PRODUCT		BEFORE	AFTER	HTR NO./TANK ID.		THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.		SALES 8.25 TAX	94.96
								TOTAL ➔	1,245.96
PAST DUE AFTER		If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable legal attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co., a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.						CHECK NO.	
RECEIVED IN GOOD ORDER		PRINTED NAME						CHECK AMOUNT	
X		X						PLEASE PAY FROM THIS INVOICE	

From:TOP GRADE-SHOP OPER.

925 371 8483

08-22/2003 07:06 #114 P.002

**Coast Oil Company, LLC** *Marketers & Manufacturers Since 1925*

**Marketers & Manufacturers**  
"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

**REMIT TO: COAST OIL COMPANY, LLC**  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344

**DATE:** 20-7-20

INVOICE NUMBER 2305

SOLD TO: 915

SHIP TO: 915

**TOP GRADE CONSTRUCTION, INC.**

50 CONTRACTORS STREET  
LIVERMORE, CA 94550

TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS STREET  
LIVERMORE, CA 94550

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX 8.25	TOTAL ➔

THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.

SALES  
TAX 8.25

**TOTAL** 

PAST DUE

**PAST DUE AFTER** If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co., a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

**CHECK NO.**

**CHECK AMOUNT**

ANSWER

## ADDITION

1

**PLEASE PAY FROM THIS INVOICE**

From:TOP GRADE-SHOP OPER.

925 371 8483

02-22/2003 07:06 #114 P.003

**Coast Oil Company, LLC** • *Marketers & Manufacturers*

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351  
RESALE NO. SR GH 97953643  
FUEL RESALE NO. SG GH 78020404

**OFFICE (408) 252-7720  
OFFICE FAX (408) 255-5263  
PLANT (408) 251-0811  
ORDER DESK (408) 342-0222**

SOLD TO: 915  
TOP GRADE CONSTRUCTION, INC.  
50 CONTRACTORS STREET  
LIVERMORE, CA 94550

SHIP TO: 915  
TOP GRADE CONSTRUCTION, INC.

HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-595-5053

**HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-535-5053**

DATE: 09-17-03

**INVOICE NUMBER** 230568

ORDERED BY		PURCHASE ORDER NUMBER		SALESMAN		TERMS		DUE DATE	
ROUTE NUMBER		DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER		TIME IN	TIME OUT	MILES
NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION			QUANTITY ORDERED	QUANTITY DELIVERED	TAXES FED STATESALES	PRICE	AMOUNT
	GALS	RED ULTRA LOW SULPHUR DIESEL ECD1 FEDERAL SUPERFUND OIL SPILL FEE			173	173	X X T		
	EA				173				

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX 8.25	TOTAL ➔

THIS INVOICE DOES NOT  
INCLUDE STATE OR FEDERAL  
EXCISE TAXES, SUPER FUNDS  
OR SURCHARGES UNLESS  
SHOWN AS A SEPARATE LINE  
ITEM.

SALES  
TAX 8.25

**TOTAL ➔**

**CHECK NO.**

**CHECK AMOUNT**

**PAST DUE AFTER** If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in this Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

**ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION**

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RECEIVED MAR 20 2008 CIRCLER

**PRINTED NAME**

X

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From:TOP GRADE-SHOP OPER.

925 371 8483

07/2/2003 07:07 #114 P.004

**Coast Oil Company, LLC** *Marketers & Manufacturers*  
*"since 1925"*

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351  
RESALE NO. SR GH 97953643  
FUEL RESALE NO. SG GH 78020404

**OFFICE (408) 252-7720  
OFFICE FAX (408) 255-5263  
PLANT (408) 251-0811  
ORDER DESK (408) 342-0222**

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344

**HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-535-5053**

DATE: 09-17-03

**INVOICE NUMBER**

SOLD TO: 915  
TOP GRADE CONSTRUCTION, INC.

SHIP TO: 915  
TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS' STREET  
LIVERMORE, CA 94550

PIERMORE, 24 STREET

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX 8.25	

**PAST DUE AFTER** If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

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925 371 8483

02/2003 07:06 #114 P.001

**Coast Oil Company, LLC****Marketers & Manufacturers**  
"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351  
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FUEL RESALE NO. SG GH 78020404OFFICE (408) 252-7720  
OFFICE FAX (408) 255-5263  
PLANT (408) 251-0811  
ORDER DESK (408) 342-0222REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344  
HAZARDOUS MATERIAL NUMBER  
CALL INFOTRAC 1-800-535-5053SOLD TO: 915  
TOP GRADE CONSTRUCTION, INC.  
50 CONTRACTORS STREET  
LIVERMORE, CA 94550SHIP TO: 915  
TOP GRADE CONSTRUCTION, INC.50 CONTRACTORS STREET  
LIVERMORE, CA 94550DATE: 09-19-03  
INVOICE NUMBER: 230801

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE			
ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	HTR NUMBER	TIME IN	TIME OUT	MILES	
NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	TAXES	PRICE	AMOUNT
	09-19-03						
GRLS	RED ULTRA LOW SULPHUR DIESEL		109		K K T		
BCD1	FEDERAL SUPERFUND OIL SPILL FEE		109	109			
EA							

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX 8.25	TOTAL ➔

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ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

ECEIVED IN GOOD ORDER

PRINTED NAME

X

CHECK NO.

CHECK AMOUNT

PLEASE PAY FROM THIS INVOICE

Rosendorf

## **VALLEY OIL CO.**

785 YUBA DRIVE, OFF EL CAMINO REAL  
MOUNTAIN VIEW, CA 94042

P.O. BOX 1655  
(650) 967-2959

## **DELIVERY RECEIPT**

437676

**3803  
ROSENDIN ELECTRIC  
880 N MABURY RD  
SAN JOSE, CA 95133**

The logo consists of a stylized 'V' shape formed by two overlapping circles, with the word 'TEXAS' written vertically next to it.

UNION CHEVRON PRODUCTS union  
TELEPHONE (408) 511-1803 JOB NO./P.O. NO. JWX30022-150-209, 99/03  
DELIVER TO - Blanchard + Monterey

~~Gamo~~ → Moroan Hill

DIESEL FUEL, 3, NA 1993, PG III <b>CARB DIESEL</b>				
FEDERAL EXCISE TAX				
STATE USE TAX				
DIESEL FUEL, 3, NA 1993, PG III <b>CARB DYED DIESEL</b>				
THIS PRODUCT IS DYED-DIESEL FUEL, NONTAXABLE USE ONLY, PENALTY FOR TAXABLE USE. THIS FUEL MEETS EPA REQUIREMENTS FOR SULFUR, OCTANE INDEX, OR AROMATIC CONTENT.				
GASOLINE, 3, UN 1203, PG II <b>UNLEADED</b>				
GASOLINE, 3, UN 1203, PG II <b>UNLEADED PLUS</b>				
GASOLINE, 3, UN 1203, PG III <b>PREMIUM UNLEADED</b>				
KEROSENE, 3, UN 1223, PG III				
<i>20</i> <b>DIESEL - 3NA1993, PG III ULTRA LOW SULFUR CARB DYED DIESEL</b>	<i>22</i>	<i>gallons</i>		
<i>Partly A.M.</i>		<i>(field lift)</i>		
CALIFORNIA OIL RECYCLING FEE			.16	
DIESEL: SALES TAX PREPAY SG GH 78-005855				
GASOLINE: SALES TAX PREPAY SG GH 78-005855				

**CREDIT TERMS: NET 10 DAYS.** The unpaid balance remaining 10 days after the delivery date is subject to a service charge of 2% per month; which is an annual percentage rate of 24% applied to the unpaid balance. In the event Valley Oil Co. must undertake action to collect these charges, customer agrees to pay all costs of collection including reasonable attorney fees.

**SUB-TOTAL**

<input type="checkbox"/> CASH	<input type="checkbox"/> CHECK NO. _____	<input checked="" type="checkbox"/> CHARGE	% SALES TAX	
DRUM DEPOSIT	DELIVERED	RETURNED	NET CHANGE	\$

From: TOP GRADE-SHOP OPI

925 371 8483

10/20/2003 08:19 #127 P.001

*oil Company, LLC* *Marketers & Manufacturers*  
*"since 1935"*

250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

CD. NO. 770584351

SALE NO. SR GH 97953643

SUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720

OFFICE FAX (408) 265-5263

PLANT (408) 251-0811

ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC  
 4200 WILLIAMS ROAD  
 SAN JOSE, CA 95129-3344

HAZARDOUS MATERIAL NUMBER  
 CALL (PERS): 1-800-523-8253

DATE: 09-25-03

INVOICE NUMBER: 231085

SHIPPING ADDRESS:  
**915  
TOP GRADE CONSTRUCTION, INC.**

SHIP TO: **915  
TOP GRADE CONSTRUCTION, INC.**

**50 CONTRACTORS STREET  
LIVERMORE, CA 94550**

**50 CONTRACTORS STREET  
LIVERMORE, CA 94550**

(408) 257-2207

(925) 448-5764

ORDERED BY: [REDACTED] PURCHASE ORDER NUMBER: [REDACTED]

SALESMAN: [REDACTED]

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	DETACHIX	NET	TIME OUT	TIME IN
0	03-09-25	99					
OF G.S. BUCK OR PKG SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	ITEMS	PRICE	AMOUNT	
GALS	RED ULTRA LOW SULPHUR DIESEL FEDERAL SUPERFUND OIL SPILL FEE	109	109 109 109	X T	1.51900 0.00000 0.00119	165.57 0.00 0.14	

PRODUCT	BEFORE	AFTER	HTR NO.: TANK I.D.	THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.	SALES TAX . B. 25	13.67

DUE AFTER 30 days unless within time permitted, customer agrees to pay interest at 1% per annum. In case of suit for collection, costs of collection, suit and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co. customer hereby grants to Coast Oil a security interest in the inventory and the proceeds of payment. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including right to take immediate possession of customer's inventory. This undersigned hereby states that he is authorized to bind the customer to the terms hereof.

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

PAID IN GOOD ORDER

PRINTED NAME

CHECK NO.

CHECK AMOUNT

OCT-06-2003 09:30

## DANGEROUS GOODS DESCRIPTION

P.02

SEE REVERSE FOR EMERGENCY RESPONSE GUIDE AND OTHER INFORMATION

DIESEL FUEL, COMBUSTIBLE LIQUID,  
NA 1993, III 1 - T/T 7400 GAL

FOR PRODUCT EMERGENCY - Spill, Leak, Fire, Exposure, or Accident  
Day or Night - Call: CHEMREC 1-800-424-9300

BILGE OF LADING # 0388984  
FOLIO NUMBER 09020  
CUSTOMER 0280989 ACCOUNT 0243980

CHEMREC 1-800-424-9300  
Shell Martinez  
1801 MARINA VISTA  
MARTINEZ, CA 94553 CA

RAMOS OIL COMPANY INC  
P O BOX 401

VEHICLE/UNIT NUMBER: B4  
EXPIRATION DATE: 09/30/04  
FREIGHT TRAILER CERT. NO.: 37092

WEST SACRAMENTO CA 95691  
X/ONSIGNEE / DELIVER TO:

LOAD START DATE: 09/28/03 TIME: 19:32  
LOAD END DATE: 09/28/03 TIME: 19:56

RAMOS OIL  
POL - CA DELIVERIES ANYWHERE, POL - CA DELIVERIES  
CALIFORNIA  
SUPPLIER: Shell Oil Products US

## PRODUCT

## QUANTITY/UNIT

LS CARB DIESEL 2  
7400 GAL @ 79.9 F 88.1 GRAV 7400 GAL GROSS 7330 GAL NET  
7330 GAL NET. VOLUME CORRECTED TO 60 F.

TOTAL 7400 GAL GROSS 7330 GAL NET

THIS DISTILLATE MEETS ALL FEDERAL AND STATE REQUIREMENTS FOR ON-ROAD  
(ON-HIGHWAY) MOTOR VEHICLE USE UNDER CALIFORNIA CARB DIESEL REGULATIONS.  
NON-DYED DIESEL FUEL, NO VISIBLE EVIDENCE OF DYE.

EPA Registration #: 4294 For complete Health and Physical Safety  
hazard information, please refer to the MSDS.

3rd Party Ref #: 243980

From Conco  
10/6/03

SHIPPER: Shell Oil Products US

This is to certify that the above named materials are properly  
classified, described, packaged,  
marked and labeled, and are in  
proper condition for transportation  
according to the applicable  
regulations of the Department of  
Transportation.

Total Collected: \$

By:

Carrier certifies that the container supplied for this shipment is a proper container  
for transportation of the Products as above described and driver acknowledges  
Emergency Response Guide Information received on reverse side of this document.

DRIVER: EVEY, JASON  
CARRIER: RAMOS TANK LINES  
WEST SACRAMENTO CA 95691

DRIVER/AGENT  
SIGNATURE:

From: TOP GRADE-SHOP OPER.

925 371 8483

10/03/2003 08:20 #127 P-002

*Company, LLC*

*Marketers & Manufacturers*  
"since 1935"

WILLIAMS ROAD • SAN JOSE, CA 95129-3344  
770584351 OFFICE (408) 252-7777  
SR GH 97953843 OFFICE FAX (408) 252-7778  
LE NO. GQ GH 78020404 PLANT (408) 251-0844

**RECEIVED**  
OFFICE (408) 252-7725  
OFFICE FAX (408) 255-2566  
PLANT (408) 251-0811  
**OCT 01 2003**  
ORDER DESK (408) 342-0220

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD  
SAN JOSE, CA 95129-3344  
HAZARDOUS MATERIAL NUMBER  
CAL/PEERS: H-000-512-8253

DATE: 09-09-03

INVOICE NUMBER: 231325

915  
TOP GRADE CONSTRUCTION, INC.

**TOP GRADE**

50 CONTRACTORS STREET  
LIVERMORE, CA 94550

<sup>915</sup>  
TOP GRADE CONSTRUCTION. INC.

50 CONTRACTORS' STREET  
LIVERMORE, CA 94550

(498) 297-2297

(925) 449-5764

ORDERED BY		PURCHASE ORDER NUMBER	SALESMAN	TERM	SHIP TO		
ROUTE NUMBER		DELIVERY DATE / TRUCK NUMBER	DRIVER	NET	TERMS		
OF G'S	BULK OR PKG SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	ITEM NUMBER	PRICE	AMOUNT
	GALS	RED ULTRA LOW SULPHUR DIESEL FEDERAL SUPERFUND OIL SPILL FEE	97	97	X X T	1.51300 0.00000 0.00119	147.34 0.00 0.12

**IF DUE AFTER** If account unpaid within ten days from date, customer agrees to pay interest at **1% per annum** in case of sum for which  
cost of collection, suit and reasonable legal attorney's fees will be charged. To secure payment of this interest and all other amounts due Coast Oil Co., customer hereby grants a  
right to take immediate possession of customer's business. The undersigned hereby states that he is authorized to bind the customer to the terms herein.

CHECK NO.

CHECK SHEETING

卷之六

## **ADDITION S**

4

DR. ERIC BROWN, FRCR, FRCPA, MRCP, MRCPATH

From:TOP GRADE-SHOP OPER.

925 371 8483

10/03/2003 08:20 #127 P.003

**Company, LLC** *Marketers & Manufacturers*  
"We're 100%"

WILLIAMS ROAD • SAN JOSE, CA 95129-3344  
NO. 779584351 OFFICE (408) 252-7777  
NO. SR GH 97953643 OFFICE FAX (408) 251-0844  
ESEAL NO. SG GH 78020404 PLANT (408) 251-0844

OFFICE 610-252-7720

OFFICE FAX (408) 255-5263

PLANT (408) 251-0812

ORDER DESK (4DB) 3

TO: 915 TOP GRADE CONSTRUCTION, INC.

OCT 9 1 2003

REMIT TO: COAST OIL COMPANY, LLC  
4250 WILLIAMS ROAD,  
SAN JOSE, CA 95120-0344

HAZARDOUS MATERIAL NUMBER  
CALL (PERC) 1-800-633-3263

DATE: 09-29-03

INVOICE NUMBER 231382

915

TOP GRADE CONSTRUCTION, INC.

SHIP TO: 915

TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS STREET  
LIVERMORE, CA 94550

50 CONTRACTORS STREET  
LIVERMORE, CA 94550

(408) 287-2207

(925) 639-5754

ORDERED BY		PURCHASE ORDER NUMBER		SALESMAN		TERMS		SHIP DATE	
ROUTING NUMBER		DELIVERED DATE		TRUCK NUMBER		DRIVER		SHIP NUMBER	
DE PT	BULK OR PKG SIZE	PRODUCT DESCRIPTION		QUANTITY ORDERED	QUANTITY DELIVERED	TAXES AMOUNTS	DISCOUNT	AMOUNT	
GALS		RED ULTRA LOW SULPHUR DIESEL FEDERAL SUPERFUND OIL SPILL FEE		96	96	X 0.51900	X 0.00000	145.83 0.00	0.11

**3.14. AFTER:** If account unpaid within time mentioned, customer agrees to pay interest at % per annum. In case of suit for collection, collection, suit and reasonable attorney's fees will be charged. To secure payment of his invoice and all other amounts due Glass Oil Co., customer hereby grants to Glass Oil Co. a security interest in the inventory and the proceeds of inventory. Glass Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including its take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms inserted.

CHECK NO.

©2005 SMCU

— 1 —

PROTECTED BY LAW

3

**PLEASE PAY FROM THIS INVOICE**

OCT-06-2003 09:30

P.03



P.O. BOX 401 • WEST SACRAMENTO, CA 95691 • (816) 971-2570

01 Sacramento 916-371-2570  
 02 Clarkeburg 916-744-1012  
 03 Dixon 707-678-2061  
 04 Fairfield 707-425-5780  
 05 Stockton 209-465-6255

06 Woodland 530-662-200  
 08 Dunnigan 530-724-3501  
 09 Isleton 816-777-5545  
 10 Rio Vista Shell 707-374-5620  
 11 Marysville 530-743-4647  
 14 Lincoln 916-645-2178  
 99 Remote

REMIT TO: P.O. BOX 401  
 WEST SACRAMENTO, CA 95691-0401  
**HAZARDOUS MATERIAL EMERGENCY**  
 CALL 1-800-456-7745

October Fuel 2  
ORDER: 401228

WH: 4

DATE: 09-29-03

SOLD TO: RELIABLE TRUCKING  
 5141 COMMERCIAL CIRCLE  
 CONCORD, CA 94520

SHIP TO: RELIABLE TRUCKING  
 51 EL CHARRO RD  
 PLEASANTON, CA 94588

CUST. PURCHASE ORDER NUMBER		SALESMAN		TERMS		DEL ZONE	DUE DATE
		KEITH COVELLO		NET 15 DAYS		0	10-14-03
DELIVERY DATE	DRIVER	TRUCK NUMBER	TERMINAL	B/L NUMBER			
09-29-03	JASON	84	SHEN MINTZ	388384			
NO. OF PKGS	BULK OR SIZE	PRODUCT DELIVERED	ORDERED	DELIVERED	TAXES	PRICE	AMOUNT
	BULK	DIESEL FUEL COMBUSTIBLE LIQUID NA 1993 THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE. THE PRICE OF THIS DIESEL FUEL DOES NOT INCLUDE FEDERAL EXCISE TAXES IF NOT SHOWN AS A SEPARATE LINE ITEM. CARB DSL #2 CLEAR DIESEL EXCISE TAX CA DIESEL EXCISE TAX REC CA OIL SPILL TAX CA DIESEL PRE-PAY SALES TAX SG KH 78-005180 *** DELIVERY MESSAGE ***	7400		T T X	22 1/2 - 80	
		SHORT LOAD /111/					
		From Conco 10/6/03					
LOAD		UNLOADING	MISCHARGES	TRIP MILES			
ARRIVED	715	ARRIVED	845	PUMP			
BEGAN LOADING		BEGAN UNLOADING	900	DEM. HRS.			
FINISHED	800	FINISHED	945	SPLIT DEL.			
TOTAL TIME	3/4	TOTAL TIME	1.3	SPLIT LOAD	1472	234	
COMMENTS				BRIDGE TOLL	430		

PRODUCT	PREMIUM	UNLEADED PLUS	UNLEADED	DIESEL	SALES TAX →	EXEMPT
GROSS				7400		
NET				7330	TOTAL →	

CUSTOMER AGREES TO PAY FINANCE CHARGE ON PAST DUE BALANCE OF 1.5% PER MONTH OR THE MAXIMUM RATE ALLOWED IN CUSTOMER'S STATE OF RESIDENCE, WHICHEVER IS LESS; AND FURTHER AGREES TO PAY REASONABLE ATTORNEY'S FEES AND COSTS IF COLLECTION IS REQUIRED. VENUE FOR PURPOSES OF ENDORSEMENT OF THIS OBLIGATION SHALL BE YOLO COUNTY.

ALL CLAIMS FOR ENVIRONMENTAL DAMAGE DURING DELIVERY OF ANY RAMOS OIL PRODUCT MUST BE MADE WITHIN 15 DAYS FOLLOWING DELIVERY,

DELIVERED BY SIGNATURE IN FULL).

RECEIVED IN GOOD ORDER

X

Number of Drums Returned X \$ = < >  
 Environmental Drum Cleaning Charge < >

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

TOTAL →

**CONDITION OF CERTIFICATION AQ-52**  
**OFF-ROAD DIESEL FIRED EQUIPMENT USAGE LISTS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

This form must be completed before site mobilization and must include all equipment that will be used on site. \*\*All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes.

**All diesel equipment must use ultra low sulfur diesel fuel.** Engine idle time must be limited to 10 minutes or less.

CMM Signature:

Comments

Date: 10/14/07

Metcalf Energy Center Equipment Usage List

DATE: September 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.  
\*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

**CMM Signals**

Metcalf Energy Center Equipment Usage List

This form must be completed before site mobilization and must include all equipment that will be used on site. All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes.

CMM Signature:

## Comments:

Date: 10/14/03

1

**CONTRACTOR: Top Grade Construction****DATE: September 2003**

This form must be completed before site mobilization and must include all equipment that will be used on site.

\*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Sent By: Pasquini Engineering;

16613289030;

Oct-14-03 1:32PM;

Page 6/7

Equipment Type	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Skip loader	98	Massey Ferguson	650EX	44NFT65 00581	>100		9/9/03	9/19/03	1996 or newer
Excavator	96	Hitachi	EX550 LC-5	17HP0071 59	>100		9/15/03		1996 or newer
84" Roller	86	BOMAG	213D	400118377	>100		9/15/03	9/19/03	<10 days usage
Roller		CAT	CS433C	3TM00179	>100		9/15/03	9/19/03	<10 days usage
Scraper	96	CAT	623F	6BK00380	>100		9/15/03	9/19/03	1996 or newer
Dump truck	98	Volvo	A35C	A35CVS25 8	>100		9/15/03	9/24/03	1996 or newer
Dump truck	98	Volvo	A35C	A35CV600 64	>100		9/15/03		1996 or newer
Blade	94	CAT	14G	96U09530	>100		9/15/03	9/19/03	<10 days usage
Dozer	94	CAT	D4H	8PB6300	>100		9/23/03	10/02/03	<10 days usage
Mini-Excavator	03	Kobelco	SK80C-1E	LF02-01231	75	2	9/23/03		<100 HP
Skip Loader	96	United	MF650EX	650W0923	79		9/23/03		1996 or newer
Backhoe	02	CAT	430D	BNK00198	90		9/30/03		1996 or newer
63" Roller	96	BOMAG	BW172 POB2	1095205 102174U	75		9/29/03	9/30/03	1996 or newer

CONTRACTOR: Top Grade Construction

DATE: September 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.  
\*\*All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

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Comments

Date: 10/14/03

16813289030;

Oct-14-03 1:33PM;

Page 7/7

Metcalf Energy Center Equipment Usage List

**CONDITION OF CERTIFICATION BIO-2**  
**SUMMARY OF BIOLOGICAL MONITORING**

**METCALF ENERGY CENTER**  
**MONTHLY COMPLIANCE REPORT**

**Biological Resources  
Mitigation Monitoring for the  
Metcalf Energy Center**

**MONTHLY COMPLIANCE REPORT #24**

**September 2003**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600**

**Sacramento, California 95833**

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# **METCALF ENERGY CENTER**

## **MONTHLY COMPLIANCE REPORT**

**September 2003**

### **TABLE OF CONTENTS**

Introduction.....	1
Monitored Mitigation Measures .....	2
Summary of Activities.....	3
Worker Environmental Awareness Training.....	4
General Notes and Observations.....	4

### **APPENDICES**

- A) Cumulative Wildlife Species Observed in or Near the Project Area
- B) WEAT Sign-ins

# INTRODUCTION

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The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 1000-foot water pipeline from a tap into a new South Bay Water Recycling Program's (SBWR) pipeline for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) September extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during September 2003.

---

## **MONITORED MITIGATION MEASURES**

---

Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, San Francisco Bay Regional Water Quality Control Board (Water Board), Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during September 2003.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the September monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features during rain events or other water releases.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will likely occur in the summer 2004.

The Biological Monitor was available throughout the month to respond to biological issues as needed. September activities are described below.

---

# **SUMMARY OF ACTIVITIES**

---

This report includes project activities that took place during September 2003. September activities included resumed site construction and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

The Biological Monitor performed spot checks of project activities during the month of September. Otherwise, the Monitor remained on call to respond to biological issues as needed.

## **Phase 2 Site Construction**

Construction on the MEC main site resumed this month and included development of a temporary staging area, installation of underground utilities, and construction of concrete foundations. These activities will continue into October 2003.

The Biological Monitor visited the site to inspect all construction activities. Monitoring visits focused on ensuring that work complied with all CEC COCs and to determine future monitoring needs. All construction related activity occurred in previously disturbed areas and remained outside the Fisher Creek riparian corridor.

### ***Temporary Staging Area***

The temporary staging area is located within the MEC north laydown yard, south of the temporary railroad spur. The staging area will include temporary office trailers and other temporary construction management infrastructure.

During September, scrapers and graders re-contoured the staging area to improve stormwater drainage prior to covering it with a base layer of aggregate rock. Several office trailers were staged this month and more will likely arrive October 2003.

### ***Underground Utilities***

During September, excavation began for the installation of underground utilities on the MEC main site. Utilities included electrical conduit which was installed in open trenches.

All open trenches include sloped escaped ramps and were inspected for wildlife each day prior to the start of work. Conduit ends were also capped to prevent wildlife entry. The Biological Monitor will be notified immediately should wildlife become trapped in any open excavation.

These activities will continue into October 2003.

### ***Concrete Foundations***

September activities included the installation of permanent concrete foundations that will support heavy structures such as turbine generators. Installation included pouring concrete

---

'mud mats' and installation of concrete forms and rebar. Previously installed rebar-reinforced piles will provide additional structural support for the load bearing foundations.

All concrete mixer trucks were cleaned in the designated concrete washout prior to leaving the project site.

Foundation construction will continue into October 2003.

## **WORKER ENVIRONMENTAL AWARENESS TRAINING**

---

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. As required by COC Bio-6 from the CEC *Commission Decision*, all new employees must attend the WEAT program.

In September, WEAT continued with the presentation of a training video and distribution of WEAT handbooks.

A total of 88 personnel received WEAT training during September for a total of 652 employees trained at MEC. A Calpine Site Safety Officer administered the WEAT training to all new September employees. A list of September WEAT attendees is included in Appendix B. Signed affidavits are kept on file by Calpine's Compliance Manager and the Designated Biologist.

## **GENERAL NOTES AND OBSERVATIONS**

---

September activities were confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor's duties will likely remain limited until construction moves into previously undisturbed areas or within the vicinity of sensitive biological resources.

The Biological Monitor assisted Calpine's Environmental Compliance Manager on compliance with the MEC Stormwater Pollution Prevention Plan (SWPPP). During a September 2003 site visit, the Biological Monitor recommended the use of secondary containment (i.e. drip pans) under portable generators. The Biological Monitor will continue to aid in site preparation for winter rain events to ensure SWPPP compliance.

## **APPENDIX A**

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### **Cumulative Wildlife Species Observed In or Near the Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to September 30, 2003)**

Common Name	Scientific Name	Location
<b>INSECTS</b>		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Euryopelma californicum</i>	TH
<b>AMPHIBIANS AND REPTILES</b>		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
<b>BIRDS</b>		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea heroides</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
<u>Location:</u>		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
<u>Notes:</u>		
* Flyover or otherwise not utilizing area resources		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to September 30, 2003) (Continued)**

Common Name	Scientific Name	Location
<b>BIRDS (continued)</b>		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion haliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, FC**(nest), EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	FC, FC**(nest), EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**(nest), GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
<u>Location:</u>		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
EC = Metcalf Energy Center Plant Site		TL = Transmission Line Corridor
FC = Fisher Creek Riparian Corridor		WL = Water Line Corridor
GP = Gas Pipe Line Corridor		LEA = Laydown expansion area
LA = Laydown Area		
<u>Notes</u>		
* Flyover or otherwise not utilizing area resources		
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to September 30, 2003) (Continued)**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Location</b>		
<b>BIRDS (CONTINUED)</b>				
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC		
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH		
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC		
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC		
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA		
American robin	<i>Turdus migratorius</i>	LA, EC, CC		
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC		
Western kingbird	<i>Tyrannus verticalis</i>	CC		
European starling	<i>Strunus vulgaris</i>	LEA, FC, EC		
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC		
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC		
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC		
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC		
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC		
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC		
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH		
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC		
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC		
Bullock's oriole	<i>Icterus bullockii</i>	FC, FC**(nest), CC		
House finch	<i>Carpodacus mexicanus</i>	EC, LA**, CC, FC		
American goldfinch	<i>Carduelis tristis</i>	LEA		
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH		
House sparrow	<i>Passer domesticus</i>	EC, FC, CC		
<b>MAMMALS</b>				
Common raccoon	<i>Procyon lotor</i>	FC**(track)		
Striped skunk	<i>Mephitis mephitis</i>	TH**(track)		
Opossum	<i>Didelphis marsupialis</i>	EC		
Coyote	<i>Canis latrans</i>	TH		
Feral cat	<i>Felis catus</i>	EC		
Bobcat	<i>Lynx rufus</i>	CC** (carcass)		
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL		
Western gray squirrel	<i>Sciurus griseus.</i>	FC		
<b>Location:</b>				
CC — Coyote Creek Riparian Corridor	TH = Tulare Hill Ecological Preserve			
EC — Metcalf Energy Center Plant Site	TL = Transmission Line Corridor			
FC — Fisher Creek Riparian Corridor	WL = Water Line Corridor			
GP — Gas Pipe Line Corridor	LEA = Laydown expansion area			
LA — Laydown Area				
<b>Notes:</b>				
* Flyover or otherwise not utilizing area resources.				
** Non-active sign (i.e. carcass, feather, nest, track.)				

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to September 30, 2003) (Continued)**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Location</b>
<b>MAMMALS (CONTINUED)</b>		
Valley pocket gopher	<i>Thomomys bottae</i>	LA** (carcass)
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH
Feral pig	<i>Sus scrofa</i>	CC** (carcass)
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
<b>Location:</b>		
CC = Coyote Creek Riparian Corridor	TH = Tularc Hill Ecological Preserve	
EC = Metcalf Energy Center Plant Site	TL = Transmission Line Corridor	
FC = Fisher Creek Riparian Corridor	WL = Water Line Corridor	
GP = Gas Pipe Line Corridor	LEA = Laydown expansion area	
LA = Laydown Area		
<b>Notes:</b>		
* Flyover or otherwise not utilizing area resources.		
** Non-active sign (i.e. carcass, feather, nest, track)		

## **APPENDIX B**

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### **WEAT Sign-In Sheets**

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

**(Biology, Archaeology, & Paleontology)**

DATE: 9-4-03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Connie Corrady)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

*(Biology, Archaeology, & Paleontology)*

DATE: 9/8/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

Instructor/s: WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

### *(Biology, Archaeology, & Paleontology)*

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 9-10-03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Conrady

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 9/12/03

DATE: 9/4/05

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Conway

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 9/15/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Martin Revuelta	Martin Revuelta	CONCO
MANNY RAPOSO	<del>Manny Raposo</del>	CONCO
Allos Ramirez	Allos Ramirez	CONCO
Joe Itson	Joe Itson	CONCO
Bentito Gonzalez	Bentito Gonzalez	CONCO
JOSE PEREZ	Jose Perez	CONCO
Jaime Varela	Jaime Varela	CONCO
Jaime Perez	Jaime Perez	CONCO
Jesús Salvador Ochoa	Jesús Salvador Ochoa	CONCO
FIDEL GONZALEZ	Fidel Gonzalez	CONCO
Martin Hernandez	<del>Martin Hernandez</del>	CONCA PUMPING
LEE DAVIS	Lee Davis	CONCO
SALVADOR PEREZ	SALVADOR PEREZ	CONCO
Arturo Ibarra	Arturo Ibarra	CONCO

Instructor/s:

WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 9/15/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Conway

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

### **(Biology, Archaeology, & Paleontology)**

DATE: 9/16/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Connie Conway)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 9-17-03

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Couree Conway)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: 9/18/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Connie Conrad)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE:

9/22/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
Salvador O. Rivera	Salvador O. Rivera	O.C. McDonald
PATRICK A. JANSEN	Patrick A. Jansen	O.C. McDonald
FREDERICK L. ENGLAND	Frederick L. England	O.C. McDonald
DAVID MAUNNEY	David Maunney	Paleo Resource Consultants
PLINIUS ADAMS	Plinius Adams	O.C. McDonald
Don Szwartz	Don Szwartz	O.C. McDonald
Kirk Smith	Kirk Smith	O.C. McDonald
JOHN MCPHERSON	John McPherson	O.C. McDonald
JAMES CIAROLIA	James Ciarolia	O.C. McDonald
Curtis Anderson	Curtis Anderson	O.C. McDonald
MAUREEN HUBER	Maureen Huber	Rosendin
Francisco Arellano	Francisco Arellano	BASIN

Instructor/s:

WEAT VIDEO (Administered by) Connie Conaway

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 9-23-03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

*Need New Pictures*

Name (print)	Name (signature)	Company
MICHAEL BROWN	Michael Brown	OC McDONALD
JOHN HERNANDEZ	John Hernandez	O.C. McDonald
JOHN PERDINE	John Perdine	O.C. McDONALD
ERNIE CLAROLINA	Ernie Clarolina	O.C. McDONALD
Wes Purdy	Wes Purdy	O.C. McDonald
MITCH BOOHER	Mitchell Booher	OC McDONALD
GILBERT RODRIGUEZ	Gilbert Rodriguez	OC McDONALD
MICHAEL J SUDA	Michael J Suda	OC McDONALD
RON SPINA	Ron Spina	O.C. McDonald
Bryan Bailey	Bry-Bal	O.C. McDonald
Armando Ibarra	Armando Ibarra	Top Grade
Gail Jorgensen	Gail Jorgensen	Top Grade

Instructor/s:

WEAT VIDEO (Administered by Connie Connolly)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(*Biology, Archaeology, & Paleontology*)

DATE: 9/24/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Connelly

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(*Biology, Archaeology, & Paleontology*)

DATE: 9/25/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Conaway

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

**(Biology, Archaeology, & Paleontology)**

DATE: 9/29/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO Administered by Connie Connelly

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
*(Biology, Archaeology, & Paleontology)*

DATE: Sept. 30/03

**PLEASE NOTE:**

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Instructor/s:

WEAT VIDEO (Administered by Connie Conaway)

**CONDITION OF CERTIFICATION CUL-7**  
**WEEKLY SCHEDULES**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

# MECH U/G PRIMING CONTRACT TO Q UP

## PHASE TWO U/G P1

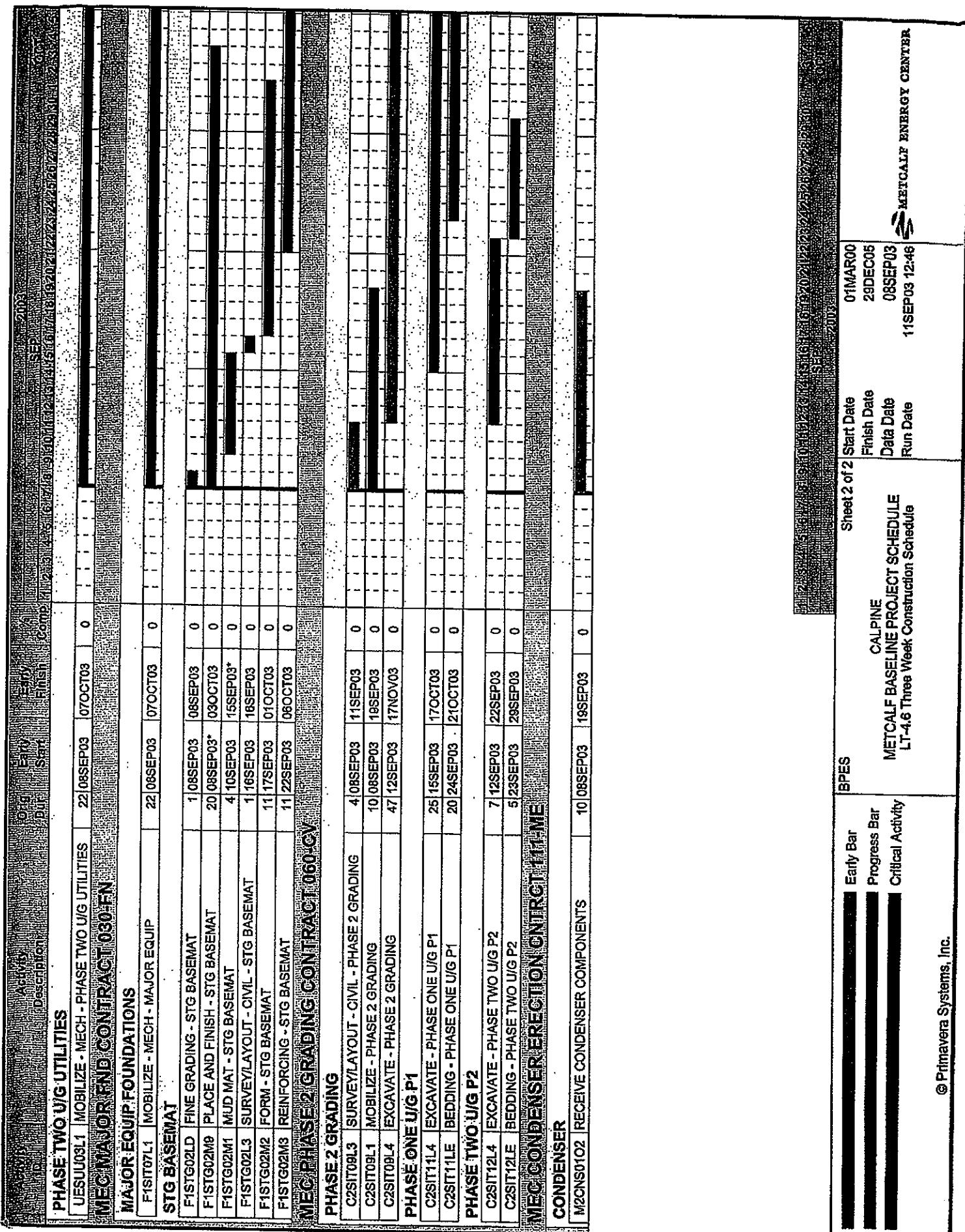
UPSI10L SURVEY/LAYOUT - MECH - PHASE TWO U/G P1	2	10SEP03	11SEP03	0
UPSI10PO SHOP FAB - PHASE TWO U/G P1	61	10SEP03	04DEC03	0
UPSI10P1 SITE FAB - PHASE TWO U/G P1	89	12SEP03	17DEC03	0
<b>PHASE ONE U/G P1</b>				
UPSI11L SURVEY/LAYOUT - MECH - PHASE ONE U/G P1	3	10SEP03*	12SEP03	0
UPSI11F0 SHOP FAB - PHASE ONE U/G P1	48	10SEP03	14NOV03	0
UPSI11P1 SITE FAB - PHASE ONE U/G P1	45	15SEP03	14NOV03	0
UPSI11M7 PLACE THRUST BLOCK - PHASE ONE U/G P1	10	29SEP03	10OCT03	0
UPSI11MD INSTALL STORM MANHOLES - PHASE ONE U/G	10	29SEP03	10OCT03	0
UPSI11P2 SET / INSTALL - PHASE ONE U/G P1	35	29SEP03	14NOV03	0
<b>PHASE TWO U/G P2</b>				
UPSI12L SURVEY/LAYOUT - MECH - PHASE TWO U/G P2	2	10SEP03	11SEP03	0
UPSI12P0 SHOP FAB - PHASE TWO U/G P2	46	10SEP03	12NOV03	0
UPSI12P1 SITE FAB - PHASE TWO U/G P2	44	12SEP03	12NOV03	0
<b>PHASE ONE U/G UTILITIES</b>				
UPSU02L MOBILIZE - MECH - PHASE ONE U/G UTILITIES	22	08SEP03	07OCT03	0
<b>MECH U/G ELECTRICAL CONTRACT TO 26 U/E</b>				
<b>GENERATOR STEP UP TRANSFORMERS</b>				
UEGSU00S INSTALL HV CONDUIT GSU TO SWITCHYARD	15	22SEP03	10OCT03	0
<b>PHASE TWO U/G P1</b>				
UEST10L MOBILIZE - ELECT - PHASE TWO U/G P1	1	10SEP03	10SEP03	0
UEST10LH SURVEY/LAYOUT - ELECT - PHASE TWO U/G P1	1	10SEP03	10SEP03	0
UEST10ME INSTALL ELECT VULT - PHASE TWO U/G P1	10	11SEP03	24SEP03	0
<b>PHASE ONE U/G P1</b>				
UEST11LH SURVEY/LAYOUT - ELECT - PHASE ONE U/G P1	1	10SEP03*	10SEP03	0
UEST11MC DUCTBANK - PHASE ONE U/G P1	10	22SEP03	03OCT03	0
UEST11Q8 U/G ELECTRICAL - PHASE ONE U/G P1	40	22SEP03	14NOV03	0
<b>PHASE TWO U/G P2</b>				
UEST12LH SURVEY/LAYOUT - ELECT - PHASE TWO U/G P2	1	10SEP03*	10SEP03	0
UEST12ME INSTALL ELECT VULT - PHASE TWO U/G P2	10	11SEP03	24SEP03	0
UEST12MC DUCTBANK - PHASE TWO U/G P2	10	18SEP03	02OCT03	0
<b>STG BASEMAT</b>				
UESTG02M8 INSTALL GROUNDING - STG BASEMAT	10	22SEP03	03OCT03	0

Early Bar Progress Bar Critical Activity

Sheet 1 of 2 Start Date Finish Date Data Date Run Date

01MAR00 28DEC05 08SEP03 11SEP03 12:46

METCALF ENERGY CHAPTER





Activity ID	Description	One Day Start	Early Start	Early Finish	One Day Finish	Start Date	Finish Date	Run Date	Comments
<b>U/G ELECTRICAL CONTRACT 020-U/E</b>									
<b>PDC #1</b>									
UEBLP01MC	DUCTBANK STUB-UP - PDC ONE	5	16OCT03	22OCT03	0				
<b>PDC #2</b>									
UEBLP02MC	DUCTBANK STUB-UP - PDC TWO	20	01OCT03	28OCT03	0				
<b>CTG #1 FOUNDATION</b>									
UECTG03Q1	FND GROUNDING - CTG #1 FOUNDATION	5	14OCT03	20OCT03	0				
UECTG03M8	INSTALL ELECT EMBEDS - SUB - CTG #1	12	14OCT03	29OCT03	0				
<b>HRSG 1</b>									
UEHRS05MH	INSTALL ELECT EMBEDS - HRSG 1	5	10OCT03	16OCT03	0				
UEHRS05Q1	FND GROUNDING - HRSG 1	5	10OCT03	16OCT03	0				
<b>ELECTRICAL EMBEDS - HRSG 1</b>									
UEHRS15M8	INSTALL EMBEDS - ELECTRICAL EMBEDS -	5	10OCT03	16OCT03	0				
<b>PHASE TWO U/G P1</b>									
UESIT10LH	SURVEY/LAYOUT - ELECT - PHASE TWO U/G P1	1	13OCT03	13OCT03	0				
<b>PHASE ONE U/G P1</b>									
UESIT11MC	DUCTBANK - PHASE ONE U/G P1 EAST	15*	16SEP03A	06OCT03	60				
UESIT11MCA	DUCTBANK - PHASE ONE U/G P1 NORTH	10	29SEP03	10OCT03	0				
UESIT11ME	INSTALL ELECT VAULT - MANHOLE 7	3	07OCT03	20OCT03	0				
UESIT11MEA	INSTALL ELECT VAULT - MANHOLE 12	3	13OCT03	24OCT03	0				
UEGSU00Q5	INSTALL HV CONDUIT GSU TO SWITCHYARD	15	13OCT03	31OCT03	0				
<b>PHASE TWO U/G P2</b>									
UESIT12MC	DUCTBANK - PHASE TWO U/G P2	15*	25SEP03A	15OCT03	13				
UESIT12ME	INSTALL ELECT VAULT - MANHOLES 2, 10, & 11	9	16OCT03	28OCT03	0				
<b>PHASE ONE U/G P2</b>									
UESIT14LH	SURVEY/LAYOUT - ELECT - PHASE ONE U/G P2	1	10OCT03	10OCT03	0				
UESIT14ME	INSTALL ELECT VAULT - MANHOLES 5 & 6	6	13OCT03	24OCT03	0				
<b>STG BASEMAT</b>									
UESTG02Q1	FND GROUNDING - STG BASEMAT	3	29SEP03	01OCT03	0				
<b>PHASE TWO U/G UTILITIES</b>									
UESU03L1	MOBILIZE - ELECT - PHASE TWO U/G UTILITIES	23*	12SEP03A	14OCT03	48				
<b>MAJOR FND CONTRACT 030-FN</b>									
<b>CTG #1 FOUNDATION</b>									
F1CTG03M3	REINFORCING - CTG #1 FOUNDATION BOTTOM	5	10OCT03	16OCT03	0				
F1CTG03L3	SURVEY/LAYOUT - CIVIL - CTG #1 FOUNDATION	1	14OCT03	14OCT03	0				
F1CTG03M2	FORM - CTG #1 FOUNDATION	15	15OCT03	04NOV03	0				
<b>Sheet 2 of 3 CALPINE METCALF BASELINE PROJECT SCHEDULE LT-4.6 Three Week Construction Schedule</b>									
Early Bar	BPEs	Progress Bar	Critical Activity	Start Date	Finish Date	Data Date	Run Date	01MAR00	2003
								28SEP05	
								29SEP03	
								02OCT03	16:05



**Metcalf Energy Center Project  
Paleontological Resource Monitoring and Mitigation Program**

**Monthly Report**

**Project Name:** Metcalf Energy Center (MEC)

**Project Number:** 01-17

**Clients:** Calpine/CH2M Hill

**Month:** September 2003

**Designated Paleontological Resource Specialist:** Dr. Lanny H. Fisk, PhD, RG

**Monthly Report for September 2003:**

*During the month of September 2003, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through their environmental consultants, CH2M Hill, to mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in September 2002 we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would impact previously undisturbed sediment. The CEC approved this reduced monitoring plan.*

*During September 2003, the only deep excavations at the MEC plant site needing to be monitored were trenches for electrical conduits. These excavations were monitored by PRC paleontological resource monitors David Maloney (3 days) and Dianne Fisk (2 days). Although trenching was as deep as 9 feet below grade, most of the trench was still in engineered fill. No paleontological resources were discovered during monitoring. No ground-disturbing activities occurred along the right-of-way of any of the linear facilities in September.*

*Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later this Fall. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed, if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.*

*Calpine Environmental Compliance Manager Kristen O'Kane and her replacement while she is on maternity leave, Mark Smolley, continue to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In most cases, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at such shallow depths at MEC, we have responded that, in our professional opinion, no monitoring is necessary. However, PRC paleontological monitors are available and "on-call" to monitor or spot check any deeper excavations at the MEC plant site or other earth-moving activities related to the MEC project.*

**CONDITION OF CERTIFICATION SOCIO-1**  
**LIST OF PLANNED PROCUREMENT**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

<b>Material/equipment</b>	<b>Manufacturer</b>	<b>Point of Origin</b>	<b>Reason</b>
Sample panel for water treatment system	Out for bid		
Compressed air system	Issued for bid		
Miscellaneous horizontal pumps	In bid preparation		
Closed cooling water heat exchanger	In bid preparation		
Continuous emissions monitoring system	In bid preparation		
Oil and water separator	In bid preparation		
Standby generator	In bid preparation		
Fire pumps	In bid preparation		
Shop fabricated tanks	In bid preparation		

## **COMPLIANCE MATRIX**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT**

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs, and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-3	Install, adjust, and operate A-1 and A-2 SCR systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs).	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STCs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days prior to first fire of Gas Turbines				
AQ-6	Demonstrate compliance with conditions B-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GTs and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report				
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM	Monthly Compliance Report				
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report				
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4805; CO = 11,498; POC = 495; PM10 = 466; SO2=42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	20 working days before the execution of the source tests, submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMs to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO <sub>2</sub> and PM10)	As part of the semannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semannual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NO <sub>x</sub> )	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed its hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed its daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs (S-2, S-4) shall not exceed 35,274,060 MMBtu/day. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit.	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NO <sub>x</sub> )	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSG's.	Semannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSG's.	Semannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NO <sub>x</sub> = 19.2 lbs/hr [0.00504 lbs/MMBTu (HHV) of nat. gas fired]; Emission Point P-2 NO <sub>x</sub> [0.00504 lbs/MMBTu (HHV) or nat. gas fired].	As part of the semannual Air Quality Reports, indicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semannual Air Quality Reports				
AQ-20(b)	NO <sub>x</sub> Emission concentration = 2.5 ppmvd (corrected to 15% O <sub>2</sub> ), 1-hr average (Emission Point P-1, P-2) (BACT for NO <sub>x</sub> ).	Same as above	Semannual Air Quality Reports				
AQ-20(c)	CO mass emission 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semannual Air Quality Reports				
AQ-20(d)	When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lbs/MMBTU at any 3-hr rolling average.	Same as above	Semannual Air Quality Reports				
AQ-20(e)	Ammonia (NH <sub>3</sub> ) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semannual Air Quality Reports				

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/12/2002						
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH <sub>4</sub> ) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(g)	Sulfur dioxide (SO <sub>2</sub> ) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb/MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports				
AQ-20(h)	PM10 mass emissions at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports				
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates.	Same as above	Semiannual Air Quality Reports				
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports				
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed NO <sub>x</sub> = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=9.3 (offsets), SO <sub>2</sub> =0.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3.786 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date				
AQ-27 (a-d)	Demonstrated compliance with conditions 14-17, 20(e, d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CEO	Date approved by CRM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
AQ-27(e-f)	Use parameters in condition 27(a-d) and District approved methods to calculate the following: (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NO <sub>x</sub> and CO concentrations and mass emissions at each exhaust point (P-1, P-2).	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-27(g-i)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests			
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols, Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests			
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests			

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002	START OF CONSTRUCTION		9/1/2002		
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests	Within 60 days of startup			
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submission of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base, (GT/HSSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02	Submitted	
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation	2/1/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plan, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division	Within 180 days of issuance of Authority to Construct	8/12/02	7/29/02	In progress	
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	Within 30 days after issuance of Authority to Construct	8/15/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCS in the amount of 212.75 tons/year of NOx and 28 tons/year of POC or equivalent as defined by District Rags 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002	
START OF CONSTRUCTION		9/1/2002	
Condition No.	Requirements & Task Summary	Action required	Event
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of Nox and 28 tons/yr of POCS or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCS certificates to the CPM.	30 days prior to start of construction
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	Within 12 months of issuance of PSD Permit
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.	30 days after permit issued
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GT's or HRSGs.	Submit to the CPM a copy of the application for Title IV operating permit.	24 months before initial operation
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before initial Operation
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the gas suppliers received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 80 Subpart GG.	On-site Compliance Inspections
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval.	60 days prior to start of construction
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report
AQ-49	During construction owner shall:	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction
AQ-50	1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction
			On-going
			On-going

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002	START OF CONSTRUCTION		9/12/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CMICBO	Status Comments		
AQ-51	Provide the District with valid ERC certificates for PMf10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/25/02	N/A	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01	Complete		
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site						
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totalled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports						
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year plus any additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports						
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans				In progress		
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation						
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report						

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	9/14/2002					
START OF CONSTRUCTION	9/1/2002					
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation			
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program, with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of this Plan.	30 days prior to start of operation			
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address Impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate Impacts on fire services.	60 days prior to ground disturbance			
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2708 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line			
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation of line and facilities.	All reports of fine-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report			
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements			

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/12/2002						
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report				
TLSEN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line				
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	60 days prior to delivery of Aqueous Ammonia				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia				
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K-1.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and approval, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment				
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CP/M/CBO	Date approved by CP/M/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of hazardous materials			
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 38 A standards, or any successor standards, and will be designed to meet Class II service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline			
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid			
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site			
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials			
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report			Complete
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action.			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM	7/3/02	6/12/01, 2/24/03, 5/23/03 (linears)	7/27/01, 3/7/03, 5/29/03 (linears)

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revised within 30 days of notification by CPM			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report			
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity			
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional.	Within 5 days of filing reports			
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports			
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction			
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction			
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after compilation of trail segment			
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report			

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002	START OF CONSTRUCTION		9/12/2002						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/ICBO	Date approved by CPM/ICBO	Status/Comments				
LAND-2	Landscape the parking areas consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan	30 days prior to start of construction	8/2/02	8/7/02	6/24/03	Complete				
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping								
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	7/30/02	7/30/02	12/10/2001 3/28/02	Complete				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	7/30/02	9/20/2001 3/12/02	N/A (City of San Jose)	Complete			
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specified facilities and structures			7/23/02 (cooling tower), 7/1/03 (tanks)	10/22/02 (cooling tower foundation only,				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures								
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" Guidelines.	90 days prior to commercial operation								
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation								
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation								
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/12/01	9/14/01	Complete				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property								
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping								
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials								
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	3/14/02	3/14/02 5/10/02 9/23/03	9/19/01 5/10/02 9/23/03	Complete				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation								

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be limited to avoid permitted park events.	30 days prior to construction of gas pipeline				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report	4/15/03			
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines	7/1/03	5/23/03	6/8/03	Complete
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction	11/1/03			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy, and the route is ready for inspection.	30 days prior to ground disturbing activities related to pipeline construction	9/9/03			Submitted
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM that the topsoil has been kept separate from the subsoil.	7 days prior to backfilling trenches				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report				On-going
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period.	Monthly Compliance Report	5/14/02			Caltrans encroachment permit for gas pipeline submitted in April Report.
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place, submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	Provide to Santa Clara County, City of San Jose 30 days prior to start of site preparation	10/2/01	12/9/02, 5/23/03 (linears)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears except gas line.
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images.	Start of ground disturbing activities related to pipeline construction				
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction				
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	12/9/02, 5/23/03 (linears)	10/24/2001, 7/7/03 (linears)	Complete for site. Complete for linears except gas line.
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation	12/31/03			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed operation by MEC is ready for inspection.	60 days prior to commercial operation	11/20/04			
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/3/01	10/3/01	N/A	Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Date	Submittal Date to CPM/CBO	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	7/14/2002							
START OF CONSTRUCTION	9/1/2002							
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity					
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity					
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint					
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01	Complete	
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow					
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey					
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures					
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.	Thirty days after the facility is operating at an output of 80% of rated capacity or greater.					
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey					
NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	Firs Monthly Compliance Report	11/15/02	11/15/02	N/A	Complete	
NOISE-7	The project owner shall implement typical noise source reduction measures such as silencers and acoustical enclosures for HDD.	Submit a plan for approval to the CPM to implement noise reduction measures for HDD.	30 days prior to commencing HDD.					
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated					Submitted for cooling tower color only. Comments received 8/28/02.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification	8/1/02	8/1/02			Comments received 8/25/02. Will re-submit with VIS-9 submittal. See VIS-9 below.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation					
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report	Annual Compliance Report					

## METCALF ENERGY CENTER • COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing	6/10/04			
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification				
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting,	5/23/03	5/5/03		Submitted, comments received 5/28/03.
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification	6/30/03	6/24/03		Submitted
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty (60) days prior to beginning implementation of the surface restoration				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal.	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration				
Temporary Aesthetic Screen							
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Submitted. Comments rec'd from SJ incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	2/15/02 (Aesthetic screen)	Complete for temporary.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	2/12/02	2/12/02	2/15/02	Complete for temporary.

MEICALE ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date to CPM/CBO	Date submitted to CPM/CBO by CPM/CBO	Status/Comments
	START OF MOBILIZATION/ROUGH GRADING	1/14/2002				
	START OF CONSTRUCTION	9/7/2002				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (temporary screen)	7/1/2002 (temporary screen)	Submitted for temporary.
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan			
<u>Long-term Screen (Monterey Road landscaping)</u>						
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	N/A (City of San Jose)	Complete
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01, 12/18/01, 8/11/03	Revised plan submitted 12/18/01. Received comments 7/31/02. Submitted City of San Jose comments to CEC on 9/26/02.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	8/30/02		As of 7/31/03, waiting on City of San Jose for signature. Expect to submit City approved plans in August 2003.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit the plan to the CPM for review and approval and to the City of San Jose for review and comment.	At least sixty (60) days prior to installing the screening	5/1/04		

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification			
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003	Complete
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/2001, 5/7/2003	Submitted, Received comments 6/11/03.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.	7/11/03	6/17/03	Submitted
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan.			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station	2/1/04		
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station	2/1/04		
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan			
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment			Complete, Resubmitted to CS1 on 9/25/03.

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
	START OF MOBILIZATION/ROUGH GRADING	START OF CONSTRUCTION	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO
Condition No.	Requirements & Task Summary					Status/Comments
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.		At least sixty (60) days prior to the start of architectural treatment	10/2/02	Submitted. Comments received 10/3/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.		Within thirty (30) days of notification by the CPM	11/30/02	Submitted. Received comments 2/10/03.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.		Within thirty (30) days of notification by the CPM	3/10/03	Response to comments not yet submitted. Sent to City of San Jose for signature 9/25/03. Submittal now anticipated for October 2003.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.		Thirty (30) days prior to the start of commercial operation		
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.		At least sixty (60) days prior to the start of construction	7/3/02	N/A. Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.		At least sixty (60) days prior to the start of construction	7/3/02	9/5/01 6/27/03 Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.		Within 30 days of notification by the CPM.	9/24/02, 11/6/02, 2/21/03, 5/27/03, 6/6/03, 6/24/03	6/27/03 Complete
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.		Start of construction of the trail between Blanchard Road and railroad tracks		
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.		Start of construction of the trail between Blanchard Road and railroad tracks		
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.		Within 30 days of notification by the CPM.		
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.				
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.		15 days prior to project construction	8/17/02	7/30/02 9/24/02 Complete

## MEITCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/1/2002						
START OF CONSTRUCTION	9/1/2002						
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection				
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist				
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01	Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/2001	8/4/03	12/15/01 Submitted revisions
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	12/1/02	9/29/01	1/29/02	2/10/02 Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report				In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/23/01	8/6/01	Complete
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02	Complete
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report				In progress
CUL-8	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report				In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CEO	Data approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
CUL-9	Except in the areas specified in CUL-3(i), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report			In progress
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report	3/14/03		Submitted in March 2003 MCR.
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity			
CUL-11	Ensure that the CRs performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPW			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPW for review and written approval.	7 days after completion of the proposed scope of work.			
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work	Completion of Data Recovery per CUL-12			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPW for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work.			
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPW for review and written approval.	Within seven (7) days after completion of the report.			
CUL-14	Submit an original, and a computer disc copy, of the CPW-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPW documentation that the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report			
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPW-approved Cultural Resource Report to the entities			
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPW with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/18/2001 9/4/2003	Complete
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or Pe&E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report			Gas line plan submitted 3/4/03. Plan for sewer and potable lines in progress.

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/12/2002						
CUL-18	Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Provide the CPM with information authorized by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells	10/1/03	7/1/2003 9/9/2003		Submitted, comments received 8/14/03 and 9/5/03
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another Individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem on the non-compliance with a condition.	Within 2 working days of notification of non-compliance				
BIO-4	Submit to the CPM for review and approval a copy of the final BRMMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMMP and shall implement the measures identified in the plan.	30 days after construction complete					

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		9/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CP/M/CBO	Date approved by CP/M/CBO
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMMP. Develop WEAT for biological resources.	Provide to the CPM for review and approval the riparian restoration plan. State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01 Complete
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video) In progress
BIO-6	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances		9/30/02 (outfall)	In progress
BIO-7	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01 Complete
BIO-8	Provide a final copy of the Nationwide No. 7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration	8/1/02	8/14/02	Submitted
BIO-9	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02	Submitted
BIO-10	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01 Complete
BIO-11	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure			
BIO-12	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01 Complete
BIO-13	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete			
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWTR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report			In progress for construction
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWTR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report			
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01 Complete
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	10/18/01 Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01 Complete for project site

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities. Obtain SCVWD approval.	Start of ground disturbance	12/15/01	8/31/01 12/2/02, 2/12/03, 7/2/03	10/18/01 Complete for project site
SOIL & WATER-4	Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	30 days prior to ground disturbance	12/15/01	8/31/01, 12/2/02, 2/12/03, 7/2/03	1/25/02 Complete
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	60 days prior to commercial operation			
SOIL & WATER-5	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation			
SOIL & WATER-6	Obtain a Section 401 Certification from the San Francisco RW/CBO.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation			
SOIL & WATER-7	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit to the GEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streamlined alteration activities	5/1/03	12/02/02 (outfall)	Complete for outfall
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to construction of wells		9/9/03	Submitted
SOIL & WATER-8	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells			
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01 Complete
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02 1/28/02	7/27/2001 1/28/02	N/A Complete
GEO-1	Assign to the project an engineering geologist(s), out the duties required by the 1998 CBC.	Notify CPM of replacement of Engineering Geologist.	Replacement of Engineering Geologist	1/28/02	1/28/02	2/6/02 Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2.	1/1/02	1/11/02	4/4/02 Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CEO.	15 days after submittal of application	1/26/02	1/14/02	1/24/02 Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading			
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01 Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date to CPM/CBO	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan. WEAT for paleo resources.	Provide the CPM with a copy of the Monitoring and Mitigation Plan. Submit to the CPM for review, comment, and written approval, the WEAT.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01 Complete
PAL - 3	WEAT for paleo resources.	Documentation for training of additional new employees.	30 days prior to start of construction	9/26/01	9/20/01	10/3/2001 3/20/02 (video) Complete
PAL-3	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report			In progress
PAL-4	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5			In progress
PAL-5	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis			
PAL-6	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the Facility Closure Plan				
PAL-7	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-1	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/16/01 Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report			
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submission of plans to the CBO.			In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A In progress
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01 Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CP/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	11/14/02	11/14/02	11/18/2002, 5/7/03
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	11/23/2002, 5/12/03	11/20/2002, 5/8/2003	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	6/3/03	6/3/03	8/7/03
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	8/14/03	8/13/03	N/A
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days	12/17/01 11/26/01	1/16/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days of CBO approval	1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection	1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved	2/14/2002 10/22/02	7/7/03	In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special Inspectors	Replacement of Special Inspector			
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned Inspector.	Within 5 days of CBO approval			
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report			In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction			
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy			

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
GEN-7	Keep the CBO informed regarding the status of engineering and construction. Obtain the CBO's final approval of all completed work.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval. Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 5 days of CBO Approval or Disapproval of Discrepancy	Within 15 days of the completion of any work			
GEN-8		Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Spills report.	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02	5/14/02	Submitted with May Monthly Compliance Report.
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Spills report.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.						

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.			
CIVIL-3	Perform Inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.			Complete for phase 1 grading only.
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/2002 / 1/6/03	Complete for phase 1 grading only.
STRUC-1	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/2002 / 1/17/03	Complete for phase 1 grading only.
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures, Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure			In progress
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO disapproval			
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO			
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report			
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels			
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report			
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO's inspection approvals to the CPM.	Monthly Compliance Report			
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems			
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel			
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels			
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2			
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system			
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems			
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3			
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4			
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4			
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CEO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction			
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CEO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1			
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CEO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1			
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation			In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2			

**METCALF ENERGY CENTER • COMPLIANCE MATRIX**

Condition No.	Requirements & Task Summary	Action required	Event	Revised Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawing of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of clocking. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01	Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of clocking. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01 9/1/02 (rev.)	10/24/01 9/1/02 (rev.)	11/19/01 10/25/02 (rev.)	Complete

METCALF ENERGY CENTER : COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPNCBO	Date approved by CPNCBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
Pre-const matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been compiled with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/30/02	Complete
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01	On-going

## **CBO SUBMITTALS, COMMENTS AND APPROVALS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT

(3.1.2)

06002780



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California  
Ph: 408-361-4845  
Fx: 408-361-4890

## Letter of Transmittal

September 3, 2003

Calpine Metcalf Energy Center  
San Jose, California

Attention: **Barbara Hatt**

Regarding: CEC Docket No.: (99-AFC-3)  
Condition of Certification: STRUCT-1  
CBO Project No.: MEC 13254

Please find enclosed:

- 1 STG Pedestal Drawings (Qty 18)  
CBO Stamped on September 3, 2003

S-240-R1, STG Pedestal Pile Plan S240-R1, STG Pedestal Pile Plan  
S-245-R2, STG Pedestal Foundation Plan  
S-246-R2, STG Pedestal Foundation Sections  
S-247-R2, STG Pedestal Misc. Sections  
S-250-R2, STG Pedestal Operating Floor Plan  
S-255-R2, STG Pedestal Operating Floor Imbedment Plan  
S-260-R0, STG Pedestal Operating Floor Reinforcement Plan  
S-265-R1, STG Pedestal Concrete Section  
S-266-R1, STG Pedestal Concrete Section  
S-267-R0, STG Pedestal Concrete Sections  
S-268-R1, STG Pedestal Concrete Sections  
S-269-R2, STG Pedestal Concrete Sections  
S-270-R2, STG Pedestal Concrete Sections  
S-271-R1, STG Pedestal Concrete Sections  
S-272-R2, STG Pedestal Concrete Sections  
S-273-R2, STG Pedestal Concrete Sections  
S-275-R2, STG Pedestal Imbedment Sections  
S-276-R2, STG Pedestal Imbedment Section

2. Typical Concrete Embedment Detail Drawings (Qty 3)  
CBO Stamped on April 30, 2002

S-680-R0, Typical Concrete Details  
S-685-R0, Typical Embedment Details  
S-690-R0, Typical Anchor Details

Sincerely,

Bart Brierty

ORIGINAL  
RECEIVED  
RECEIVED  
METCALF ENERGY  
SEP 4 2003  
METCALF ENERGY  
CENTER



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California

September 9, 2003

## DISPOSITION

Metcalf Energy Center  
1 Blanchard Road  
San Jose, CA 95013

Attention: Nicholas LaPorte, Project Manager

Regarding: CEC Docket No.: 99-AFC-3  
Condition of Certification: CIVIL-1  
CBO Project No.: MEC 13254

Subject: Calpine Submittal 9/02/03 Trans # 00500  
CBO# 2013-000500  
Temporary Facilities Drainage  
Containing 1 Untitled Drawing

The CBO has reviewed the subject submittal and provides the following disposition:

Untitled Drawing (C-070 redlined print) ... **NOT APPROVED**

The following is required:

1. Provide drawing identification. Suggest using "Field Generated Document" system.
2. No pipe elevations were provided. Provide in 3 places: at 2 ends, and 1 at the tee.
3. No grade elevations are provided. As minimum, provide in area around trailers.
4. No Calculations were provided. As a minimum, provide what level of storm event has been considered, and provide the calculation conclusions.
5. Provide a brief "plan of operation" for the storm water basin.
6. Confirm if the Storm Water Pollution and Prevention Plan has been updated for this work.
7. Provide a clean-out or a manhole at the tee.
8. Pipe size of 10 inch is recommended.

Sincerely,

**Hans Kosten**

For: Donald C. Wimberly, P.E.  
Delegate Chief Building Official  
Willdan / AIMS Corp.

Hans (G.J.) Kosten  
Deputy CBO  
Willdan / AIMS Corp.

Copy: Kristen O'Kane - Calpine  
Steven Fischer - Calpine  
Barbara Hatt - Calpine (Doc. Control)

Cherene Lindley - Willdan (Posting)  
Ralph Sellers - Willdan / Aims Corp



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California  
Ph: 408-361-4845  
Fx: 408-361-4890

September 10, 2003

## DISPOSITION

Burns and Roe Enterprises, Inc.  
200 Crawford Place, Suite 600  
Mt. Laurel, New Jersey 08054

Attention: Jim Ferrara, Project Manager

Regarding: CEC Docket No.: (99-AFC-3)  
Condition of Certification: CIVIL-1  
CBO Project No.: MEC 13254  
Subject: Submittal Packet: 2013-000161  
Temporary Facilities Plan  
1 Drawing / C-070-R1

The CBO has reviewed the subject submittal packet and provides the following disposition:

Drawing: C-070-R1 Temporary Facilities Plan      **APPROVED CONDITIONALLY**

**Calpine is to Provide Supplemental Information as follows:**

1. **Electrical Plan for this area in accordance with ELEC-1**  
See CBO Comments dated 3/07/04 regarding most recent Electrical Plan.
2. **Drainage Plan for this area in accordance with CIVIL-1**  
See CBO Disposition of 9/09/03 – regarding the most recent Drainage Plan.

The referenced drawing will need to be revised to show locations of major electrical components, such as transformers and distribution panels. Lighting for the trailer area will need to be improved by adding more light poles. Attached is a list of comments that may be used as a guideline for CBO concerns.

Sincerely,

**Hans Kosten**

For: Donald C. Wimberly, P.E.  
Delegate Chief Building Official  
Willdan / AIMS Corp.

By: Hans (G.J.) Kosten  
Deputy CBO  
Willdan / AIMS Corp.

Copy: Nick LaPorte – Calpine  
Kristen O’Kane – Calpine  
Steven Fischer – Calpine

Barbara Haft – Calpine (Document Control)  
Cherene Lindley – Willdan (CEC Posting)  
Ralph Sellers – Willdan / AIMS Corp.

**Electrical Design Review Comments  
Temporary Construction Facilities Plan  
Dwg. No. C-070-R1 cbo# 2013-000161**

**Date: 8/29/03  
By: Elias Segura**

1. Provide single line diagram. Show PG&E incoming power, the 21KV substation, various 480Volt transformers, distribution panels and lighting plan schedule. Also, show the various Power Distribution Center (PDC) hook up.
2. Provide legend, abbreviation key and PE stamp for above.
3. Outdoor lighting and streetlights are shown. Show panel circuit number, where fed from, size of conduit and wiring.
4. Where are the entire light pole, streetlights and other outdoor lighting fed from?
5. Review outdoor areas, additional light pole are required.
6. What are the provisions for lighting at the proposed power plant?
7. What are the electrical provisions for power tools, welding equipment, heating at the proposed power plant? What is the total power requirement?
8. Specify light pole and streetlights.
9. Show u/g layout of power and lighting.
10. Specify pole, height, insulators, and wiring on above ground wiring.
11. Office/contractor trailer comes with ground terminals. Show grounding wiring, connections and details.
12. Show locations of the various office/contractor trailer panelboard.
13. Provide concrete pad on all power distribution centers. Concrete pad should be 4" to 6" high.
14. What provisions necessary for all electrical equipment to protect from flood as experienced in the last winter-wet year?
15. Provide electrical testing requirement for all PDC and wiring.
16. Recommend power breaker to be electrically tested.
17. Add notes:
  - a. Trailer Grounding & Bonding.
  - b. Panel Schedule
  - c. Electrical testing.
18. Provide ground rods on all office/contractor trailers. Specify size and length.
19. All ground grid u/g connections should be exothermically welded type. Compression C-tap connectors can be permitted for above grade cable connections only.
20. Minimum grounding to the trailers should not exceed 25 ohms to remote earth.
21. Show u/g feeds from the construction power substation to the new office trailer power distribution centers.
22. Show overhead crossing either above or below ground.
23. Provide construction details of Power Distribution Center (PDC) complete with ground rods and concrete pad.
24. Show the existing power center at the lay down area adjacent to the construction warehouse.
25. Recommend a light pole at the existing power center.
26. Recommend a power center at the tool trailers.
27. The existing 21 KV substations have 480V distribution panels. Is this 480V to feed the various PDC at the trailers?
28. Voltage drop to a feeder is limited to 3%, feeds from the nearest PDC requires a larger wire conductors. Recommend a power center at the construction parking and other areas to limit the voltage drop.



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California

September 11, 2003

## DISPOSITION

Metcalf Energy Center  
1 Blanchard Road  
San Jose, CA 95013

Attention: Nicholas LaPorte, Project Manager

Regarding: CEC Docket No.: 99-AFC-3  
Condition of Certification: TSE-1  
CBO Project No.: MEC 13254

Subject: Calpine Submittal CBO# 7003-000492  
Dated 8/26/03 Underground Lines 230kv  
Transmittal #00492 2 Drawings Plan & Details

The CBO has reviewed the subject submittal and provides the following disposition:

Power Engineers Drawing P1-1 Rev E... NOT APPROVED

Power Engineers Drawing U1-1 Rev C... NOT APPROVED

The following is required for approval:

1. The number of bends and off-sets appear to be too great. Provide cable-pulling stress analysis and calculation.
2. Provide technical specifications for 230 KV underground duct banks.
3. Refer to attached CBO review comments dated 9/04/03 as a guideline.

The CBO does not have direct communication with Power Engineers. It is the responsibility of Calpine to forward this information to Power Engineers.

Sincerely,

**Hans Kosten**

For: Donald C. Wimberly, P.E.  
Delegate Chief Building Official  
Willdan / AIMS Corp.

Hans (G.J.) Kosten  
Deputy CBO  
Willdan / AIMS Corp.

Copy: Kristen O'Kane - Calpine  
Steven Fischer - Calpine  
Barbara Hatt - Calpine (Doc. Control)

Cherene Lindley - Willdan (Posting)  
Ralph Sellers - Willdan / Aims Corp

**Electrical Design Review Comments  
Power Engineers U/G 230kv Duct Bank**

**Date: 9/04/03  
By: Elias Segura**

**General Comments**

1. PE stamped is required.
2. Provide underground ductbank technical specification for review.
  - a. Specify u/g duct system materials.
  - b. Specify duct accessories such as spacers, adapters, plugs, and end bells.
  - c. Specify testing and cleaning of ducts such as clearance test with a mandrel to remove foreign materials and dirt before cable pull.
  - d. Specify pull wire or nylon cord. Specify ground wire. Swab ductProvide applicable standardsSeismic requirementsReferencesSpecify minimum coverage of u/g conduits in unpaved and in paved areas.
  - e. Specify compressive strength for concrete and minimum/maximum aggregate size if required.
  - f. Specify red warning tape if required.
  - g. Specify color top of duct only/use of red concrete only if required.
  - h. What year is the California Electrical Code enforced in design references?
  - i. Define installation of u/g ductbank.

Drawing Number: P1-1 Rev E:  
Plan and Profiles For 230 kV Circuits STG, CTG-1,-2

1. Add under technical specifications or sheet notes:
  - a. "Secure ductbank from floating or movement during concrete placement"
  - b. "Reinforcing bar and tie wire shall not form a metallic circle around any ducts of a duct bank."
2. CBO recommend red concrete in lieu of a burial warning tape.
3. Recommend end bells for vertical ducts 6" out of ground.
4. Recommend fireproofing/sealant on the vertical PVC ducts void of 6" off the ground after cable pulling and terminations.
5. Is the u/g duct bank plans had been reviewed by the designated cable manufacturer/supplier?
6. If so, does the cable manufacturer approve the design of the u/g ductbank?
7. Submit full calculation on the cable pulling for stress analysis particularly on the multiple 90 degree bends for CTG-2.
8. Based on item 7 above, demonstrate how to pull the 230 KV cable.
9. 12-inch minimum clearance between other utilities is required. Verify duct bank clearance on CTG-1, 2 & 3.
10. On Street crossing, consider 6" thick of heavier concrete in lieu of 3".

**Electrical Design Review Comments  
Power Engineers U/G 230kv Duct Bank**

**Date: 9/04/03  
By: Elias Segura**

11. Who is responsible for the design of HV terminal structures and disconnect switches at the HV transformer? Burns & Roe or switchyard engineers?
12. Therefore, who is responsible for furnishing and installation of HV terminal structures and disconnect switches?
13. Fence missing on 230 KV transition and structures.

Drawing Number: U1-1 Rev C:  
Detail Dwg. For 230 kV Circuits STG, CTG-1,-2

1. Show bollard on plans.
2. Is spacing of ducts adequate?
3. Why use insulated ground cable?
4. If red concrete is use for duct bank, 12" wide red warning tape is not necessary.  
Clarify.
5. Specify fire & water proof sealant to cover void at vertical conduit sweep stub-up 6" above ground.
6. Approval of this plan is contingent upon approval of the ground grid of the switchyard.

**METCAL DOCUMENT SUBMITTAL RECORD**  
CALLAWAY & R AND CBO

WILL DAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents	
				Issued	To Check	From Check	Respond		From Check	Status
	00001		Never Assigned							
	00002		Never Assigned							
	00009		Construction Facilities Drawing	2/27/2002 3/20/2002	3/21/2002					1
GEN-2	00010		Gas Turbine Diffuser	2/27/2002 3/20/2002	3/21/2002	3/29/2002	See 00025	A-3/29/2002		1
GEN-2	10025		Gas Turbine Diffuser Condition of Certification	4/22/2002				A-4/24/02		1
GEN-6	1008		Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes;					A-9/28/02		1
GEN-2	1009		Bechtel Proposed CBO Submittal List (24193-000-T01-GEGX-00018)					C-10/16/02		1
GEN-5	1011		Qualifications Statement Ballot (Civil), Masi (Mech) & Rubin (Elect)					A-1/18/02		1
GEN-4	1012		Qualifications: Resident Engineer Mr. Shuke Miao of Mortenson					A-1/17/02		1
GEN-4	Calpine Letter	00268	Qualifications: Resident Engineer: Mr. Robert K. Anders	6/3/2003						
GEN-4	Calpine Letter	00272	Qualifications: Resident Engineer: Mr. Robert K. Anders	7/9/2003						
GEN-5	1013		Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)					A-1/16/02		1
GEN-6	1014		Statement of Qualifications, Bill Petrovski					C-1/18/02		1
GEN-6	1015		Special Inspectors-Jarrod Bordi (1 of 6) ICBO/ACI	01/11/02				A-1/16/02	AWS/CW	1
GEN-6	1015		Special Inspector-Kevin Brown (2 of 6) ICBO/ACI	01/11/02				A-1/16/02		1
GEN-6	1015		Special Inspector-Leah Welliver (3 of 6) ICBO/ACI	01/11/02				A-1/16/02		1
GEN-6	1015		Special Inspector - Steven Harvey (4 of 6) ICBO/ACI	01/11/02				A-1/16/02		1
GEN-6	1015		Special Inspectors-Bundy Chamberlain Jr.(5 of 6)	01/11/02				C-1/16/02		1
GEN-6	1015		Special Inspectors - Daniel Camacho (6 of 6)	01/11/02				C-1/16/02		1
GEN-6	1015		Statement of Qualification - Special Inspectors	01/11/02				C-1/17/02		1
GEN-5	1016		Statement of Qualifications, Emma, Chianese					A-9/20/02		1
GEN-5	1017		Statement of Qualification: Civil Structural - Mr. Lanth					A-9/20/02		1
	1019		Statement of Qualification: Civil -Protocol A, Mr. Lanth					A-9/20/02		1
GEN-2	1017	000051	CBO Submittal List	07/18/02						
GEN-2	1017	000083	CBO Submittal List	10/11/02						
GEN-2	1018	000138	CBO Submittal List	01/27/02						
GEN-5	1017		Resp. Design Eng: Civil - Mr. Lantry							1

**METCALF DOCUMENT SUBMITTAL RECORD**  
**CALPINE B&R AND CBO**

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments	Documents		
				Issued	To Check	From Check	Respond		Status	Subd	Rsp'd
GEN-5	1019	000159	Responsible Civil Engineer	4/7/03 No rsp req'd							
GEN 4			Resident Engineer Transition Acceptance by SG	02/04/03							1 1
TSE-1	Calpine Letter		Qualifications: Switchyard Power Engineers 2 Resumes	02/04/03				Condition Approved			
			Carl Johnson - Resume								
			Kevin Murar - Resume								
	Calpine Letter		Qualifications: Switchyard Power Engineers 2 Registration Certificates	04/17/03							
			Carl Johnson - Certification								
			Kevin Murar - Certification								
GEN 5	Calpine Letter		Qualifications: Gas Pipeline Raymundo Engineering: 2 Resumes	02/05/03				HK Condition Approved			
			Resp. Design Eng: Gas Pipeline - John Byrne								
			Resp. Design Eng: Gas Pipeline - Bernard Wroblewski	02/05/03							
GEN 5	Calpine Letter		Qualifications: Gas Pipeline Raymundo Engineering: 4 Resumes, Organizational Chart, Inspection Plan	05/05/03							
			William Raymundo - Resume								
			John J. Byrne - Resume								
			Karli K. Maeda - Resume								
			Bart F. Oddo - Resume								
			Inspection Plans								
			Organizational Chart								
GEN-5	Calpine Letter		Qualifications: Access Road and Sewer Line CH2M-HILL Engineering: 2 Resumes	03/25/03				HK Approved			
			Mike Zabaneh - Resume								
			Benjamin Wright - Resume								
WASTE-4	Calpine Letter		Qualifications: Registered Geologist 2 Letters & Resumes	04/18/03					No Approval Req'd		
			Letter to Steve Munroe 3/12/03								
			Mark Smolley								

**METCALF DOCUMENT SUBMITTAL RECORD  
CALPIPER AND CBO**

WILLDAN CBO PROJECT NO. 13254

10/13/2003 7:49 AM

3 of 4

Conclusions

**METCALF DOCUMENT SUBMITTAL RECORD**

WILL DAN CBO BBO PROJECT NO 13254

**METCIE DOCUMENT SUBMITTAL RECORD**  
CALIFINE B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required		Documents Rcd	Rsp'd
				Issued Due Date	To Check	From Check	Resp' Date	Check By	Status		
CIVIL-1	2004	000146	Phase 2 - Drainage and Grading : 4 Drawings	2/28/03			3/14/03		RS HK		
			Drwg: C-071-R0 Rough Grading Plan								
			Drwg: C-072-R0 Drainage Plan								
			Drwg: C-073-R0 Foundation Schedule								
			Drwg: C-074-R0 Crane Staging Area Plan								
CIVIL-1	2005		Technical Specification for Earthwork							C-11/15/02	1
			Subsurface Investigation & Geology Report:								
			CY-0000-001 Rev H								
CIVIL-1	20020		0-CG-0100-00002 Rev. 1,								
			0-CG-0090-00006 Rev. 0,								
			0-C2-0000-00001 Rev. 1								
			A-4/4/02								
											4
											4

**WETCAFE DOCUMENT SUBMITTAL RECORD**  
CALIFORNIA EARTHWORKS & CONSTRUCTION  
AND CEO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required		Documents R/c'd	Rsp'd
				Issued Due Date	To Check	From Check	Resp' Date	Check By	Status		
GEO-2	2008		Engineering Geology Report - Application for Grading Permit	2/15/2002					C-1/17/02		1
GEO-2	2008	000007	Subsurface Investigation & Foundation Report- Responses to Arroyo's comments	3/8/2002					Verbal Evans		1
GEO-2	2008	000002	Subsurface Investigation and Foundation Report-Lettere	3/6/2002					A-3/29/02	Response Forecast 3/22/02 Response Received 3/29/02	1
CIVIL-1	2009	000028	Sediment & Erosion control - C050 South laydown yard Sediment & Erosion Control Plan Rev 0 C060 Sedimentation & Erosion Notes & Details Rev 0 C061 Sedimentation&Erosion Details Rev.0	4/30/2002					A-9/26/02 Verbal HK	Disposition dated 10/14/02 Response Forecast CEC	4
CIVIL-1	2009	000048	Sediment & Erosion Control Burns & Roe Response to comments	7/3/2002					A-9/26/02	Disposition dated 10/14/02	4
CIVIL-1	2010	000029	Burns & Roe Response to comments on Design of Concrete Filled Pipe Piles	5/6/2002					A-5/8/02	Approved with 3014	1
CIVIL-4	2011	000054	Site Observation Report: Dated 7/25/02	07/26/02 No rsp rq'd							1
CIVIL-4	3052	000126	Site Observation Report: Marty Ballool final site visit. Three page document	01/06/2003 No rsp rq'd	01/10/03				HK-DW	Comments from HK faxed to engineer. Report to be discussed at meeting with SG&SM Resident engineer transfer.	
CIVIL-4	3052	000136	Site Observation Report: Marty Ballool final site visit. Three page document	01/27/2003 No rsp rq'd	2/4/2003				HK-RS		
CIVIL-4	3052	000156	Revised Site Observation Report:	3/24/2003 No rsp rq'd						Approved	
CIVIL-1		000004	Retaining Wall Superseded by Keystone Blocks	2/6/2002							
CIVIL-1	2012	00069	Retaining Wall as built drawings O-CG-0090-0006 Rev 2 2484-C030 Rev. 0	9/13/2002 10/7/2002						Low Priority per JF on 10/9/02 Replaces FCR 0002	1 2

METCALF DOCUMENT SUBMITTAL RECORD  
CALPINE&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Condition of Certification	Packt. No.	CBO No.	Package Title	Review /Approval Dates				Comments or Action Required		Documents	
				Issued Due Date	To Check	From Check	Res'p Date	Check By	Status	Rc'd	Rsp'd
CIVIL-1	3022	00037	Roadway Drawings C040 Road Geometry Plan Rev. 0 C043 Typical Road Cross Section Rev. 0 C045 PGE All-Terrain Vehicle Access Partial Plan Rev.0	6/13/2002 6/27/2002					N-7/1/02		
CIVIL-1	3022	00056	Roadway Drawings Comments of 7/1/02	08/02/02 08/22/02					C-10/9/02		
CIVIL-1	3022	00062	Roadway Drawings C040 Road Geometry Plan Rev. 2 C043 Typical Road Cross Sections Rev. 2 C045 PGE All Terrain Vehicle Access, Rev.2	08/21/02 09/12/02					A-10/9/02		
CIVIL-1	3022	00113	Roadway: Dwg: C040R3 Dwg: C045R3	12/6/2002							
CIVIL-1	3022	000118	Roadway: Letter: Response to CBO Comments: Roadway crosssection Dwg: CC043_R3	12/23/02	1/28/03	1/28/03			HK	Approved Unstamped	1
CIVIL-1	2013	000107	Temporary Construction Facilities : Dwg# C070-R0	1/12/02	02/04/02	xx	xx	RS	xx	Kirsten Advises not to review because permits are not in place	1
CIVIL-1	2013	000161	Temporary Construction Facilities : Dwg# C070-R1	04/14/03	04/22/03	xx	xx	RS ES	Under Review	Needs Lighting added Plus	1
CIVIL-1	2013	Calpine 00500	Temporary Construction Facilities : Dwg# C-070 Modified by Redline for Drainage	09/02/03	09/03/03	09/03/03	xx	RS	Under Review	Needs Invert Elevations and much more	1
CIVIL-1	2000	0000000	Drawings requested by Ralph Sellers : Provided by Calpine	02/05/03	02/06/03						
			C030-R0 Retaining Wall								
			C070-R1 Temp Const Facilities								
			C035-RA Site Fencing								
			C036-RA Site Fencing								
			C040-R3 Road Geometry								
			C043-R3 Road Cross Section								
			C045-R3 PGE Dirt Roads								
			C050-R1 South Laydown Area								
			C060-R1 Sediment Erosion Control Notes								
			C061-R1 Sediment Erosion Control								



**METCAL DOCUMENT SUBMITTAL RECORD**  
**CUPINE & BARRETT CO.**

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments - Action Required		Submitted	Response Documents
				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	00005		CTG & STG Foundation Piling Drawings S110 Composite Pile Plan Rev. A S111 Pile Sections and Details S240 CTG Pedestal Pile Location Plan	02/06/02 02/27/02	03/21/02 03/29/02				A-3/29/02		
STRUC-1	00006		Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/02 03/8/02	03/15/02 See 00017				03/15/02		4 4
STRUC-1	00011		CTG, STG & HRSG Pile Calculations	2/28/02 3/21/02	03/21/02 03/29/02				A-3/29/02		
STRUC-1	00013		Overdue Response Notification CBO 0005, 0006, 0007	03/11/02					Resp to 0005,0000 6,00007		3 3
STRUC-1	3001		HRSG Foundation and Lateral calculations	08/09/01						C-9/28/01	
STRUC-1	3001		HRSG Structural Calculations	11/01/02						C-11/7/02	
STRUC-1	3001		HRSG - Frame corner connections, shear blocks, base plates and casing stiffeners							C-1/14/02	
			Piling Specs (test piles) , 02472, Concrete Filled Pipe Piles, Rev.C								
STRUC-1	3002	00003	02473 Pile Test Program Rev.0 03200 Concrete Reinforcement Rev.0 03300 Cast-In-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0.	01/31/02		03/01/02	See 00015		C-3/1/02		6 6
			Piling Specs (test piles) 02472, Concrete Filled Pipe Piles, Rev.C								
STRUC-1	3002	00015	03200 Concrete Reinforcement Rev.A 03300 Cast-In-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D. S109 Test Pile Sections & Details Rev. D	03/14/02 03/21/02	03/21/02 03/29/02				A-3/29/02		6 6
STRUC-1	3002	00089	Water Pipe Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/02 11/19/02	03/21/02 03/29/02						
STRUC-1	3002	00153	Piling Specs: 1. Specification Spec# 02472-R4 Concrete Filled Pipe Piles Report on Seismic Design Motions	3/11/03 3/24/03						BB HK	
STRUC-1	3004		Concrete formwork Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A.	01/31/02						03/14/02	1
STRUC-1	3006		Design Report for W501F Exhaust System Diffuser								
STRUC-1	3006	00017	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/02 4/1/02						A-3/26/02	3 3
STRUC-1	3007									A-4/24/02	3 3
STRUC-1	3009	00008	HRSG Piles: Pile Location Plan S300	02/20/02 03/13/02	03/21/02 03/29/02					A-5/15/02	1 1
STRUC-1	3010	00014	Gas Turbine documentation SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-010 Exhaust End Exterior Platform and Stair SWPC-CM-011 Exhaust End Interior Platform and Stair 17-001-HR Sheets 1-7 R	03/13/02 04/3/02	04/03/02 04/04/02	See 00031				C-4/3/02	5 5

**MECAFE DOCUMENT SUBMISSION RECORD**  
CALLIGNE & RAND CBO

**WILLDAN CEO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required			Submitted Documents
				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	3010	00031	Gas Turbine Document - Calculations and other documentation and Siemens Westinghouse response to Willman's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002					A-5/31/02		
STRUC-1	3010	00071	Siemens Westinghouse: Dwg 17-001-HR.R2 General Arrangement 501FD Inlet Silencer System.	9/18/2002	10/10/2002						1
STRUC-1	3011	00016	Specs 01410 Rev. B - Testing Laboratory Services	4/18/2002	4/18/2002				A-4/8/02		1
STRUC-1	3012	00018	Civil Structural Design Criteria	3/20/2002	4/10/2002				N-4/18/02		1
STRUC-1	3012	00026	Civil/Structural Design Criteria - fixed head moment values for each pile.	4/26/2002	5/17/2002				C-5/15/02		NA
STRUC-1	3012	00018	Civil/Structural Design Criteria						A-5/15/02		1
STRUC-1	3012	00082	Civil/Structural Design Criteria Rev. 1	10/3/02							1
STRUC-1	3013	00019	Gen. Notes & Typical Detail Drawings S901, S680, S680, S980, S981, S984, S985, S988, S989, S993 & S997 Rev.0	04/29/02	4/23/2002				A-4/30/02		1
STRUC-1	3013	00027	Gen. Notes & Typical Detail Drawings S901, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991, S993 & S997 Rev.A	4/29/02	5/20/02				A-4/30/02		13
STRUC-1	3014	00022	CTG, STG, HRSG Piles Calculations Concrete Filled Pipe Piles, 02484-001-06-001 Rev. O Combust Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Pad Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Compos	4/4/02 4/25/02							13
STRUC-1	3014	00082	Composite Pile Plan: Drawing S110-R1	10/3/02 10/24/02					A-11/7/02		13
STRUC-1	3014	000135	Composite Pile Plan: Drawing S110-R2 Pile Section Detail Dwg S111-R1	01/27/03 02/27/03		To Checker 1/29/03			GJ BB HK Approved Unstamped		4
STRUC-1	3015	00023	HRSG & Stack foundation Mar Calc 02484-001-06-007 - Unit 2 Foundation Drawings: S205 HRSG Plan Unit #1 Rev. 0 S206 HRSG Plan Unit #2 Rev 0 S207 HRSG Reinforcing Plan Unit #1 Rev 0 S208 HRSG Reinforcing Plan Unit #2 Rev 0 S310 HRSG Section & Details Unit						A-5/16/02		4
STRUC-1	3016	00021	200 Gal. Reservoir Hydraulic Power Unit/Seismic Calc.	04/02/02 04/23/02					A-5/10/02		4
STRUC-1	3017	00024	CTG Foundation: Drawings & Calcs. - CTG Foundations Calc 02484-001-06-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	4/16/02 5/07/02	05/31/02				A-5/31/02		5
STRUC-1	3017	00073	CTG: Revisions and Resubmittal with the new Piles capacities - Calculations for CTG foundations Calculation 02484-001-06-004 Rev.1 Dated 9/13	9/19/02 10/3/02					JL	A-10/22/02	1

**NETCAF DOCUMENT SUBMITTAL RECORD  
CALINE/B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates					Comments - Action Required			Submitted Documents	Response
				Issued	Due	To Checker	From Response	Plan Check	Status				
STRUC-1	3017	00095	CTG Foundation S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	11/15/02	11/26/02			hold		BB to research correspondence - Done Confirmed Pile Design Approved 4/09/03	1		
STRUC-1	3017	000177	CTG Foundation: 2 Drawings	07/09/03	not yet							2	0
			S205-R2 CTG 1&2 Foundation Plan										
			S208-R1 CTG 1&2 Section Details										
STRUC-1	3017	000179	CTG Circuit Breaker Platform: 2 Drawings	07/22/03	not yet							2	0
			S880-R1 CTG #1 Circuit Breaker Platform Sections and Details										
			S881-R1 CTG #2 Circuit Breaker Platform Sections and Details										
STRUC-1	3018	00030	Pile Testing Revised doc. - ECN 001 Revisions for Specs 02473, Dwg S108, S109,	05/07/02			see 3037		A-5/15/02			4	4
STRUC-1	3018	00032	Doc. Review by Lowney Accodate - ECN 001	05/20/02			see 3037		NA	Superseded by 3037		1	NA
			File Testing Revised documents ECR 003							Superseded by 3037			
STRUC-1	3018	00040	Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev.2	6/20/02	6/25/02		see 3037						
STRUC-1	3018	00044	File Test Program: Revised Documents - Dwg S108, Pile Load Test Plan, Rev.3	6/27/02	7/19/02	07/23/02	see 3037			Superseded by 3037		4	
STRUC-1	3018	00059	File Test Program: (ECR No. 004) Revisions to pile test program base on the test results obtained to date.	8/6/02	8/27/02		see 3037		A-9/26/02	4 sets of S108-R3 in trailer on 7-23-03		2	
STRUC-1	3019	00033	Specification: 3 Documents	5/24/02	6/14/02				A-6/14/02	Superseded by 3037		1	
			Spec# 01410-R0, Testing Laboratory Services										
			Spec# 05120-R0, Structural Steel										
			Spec# 13121-R0, Pre-Engineered Buildings										
STRUC-1	3019	000181	Specification: 1 document	07/29/03						Packet has 2 documents. See 3025-00181 for other doc			
			Spec# 05120-R2, Structural Steel										
STRUC-1	3020	00034	Moved to Section 3023 STG Platform Foundation										
STRUC-1	3020	00035	STG Platform Calcs	Void					JL	Void			
STRUC-1	3020	00066	STG Platform Calcs 0284-001-06-029 Rev 0 S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810, S830 Rev. 0	8/30/02	9/23/02				JL	10/8/02 will resubmit		15	15
STRUC-1	3020	00087	STG Platform: 1 Calc, 25 Drawings	10/28/02	11/06/02	Approval To Eng 0123/03	JL	Approved Unstamped		Includes Calc's for Circ-water pipe sup drwg in 3041-000090		26	26
			Calc 02484-001-06-029 R1, Steam Turbine Generator Platform							Response from checker was misplaced for a while. Engineer Inquiry 1/21/03			
			S700-R0, Structural Steel Drawing List										
			S701-R1, STG Platform Framing Plan at Elevat 295'-01/2'										
			S705-R1, STG Platform Framing Plan at Elevat 295'-6"										
			S706-R1, STG Platform Framing Plan at Elevat 279'-81/2'										
			S707-R0, STG Platform Mezzanine Level Partial Plan										

**Mechanical Document Submittal Record**  
CDA/MEP AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required			Submitted	Response
				Issued	Due	To Checker	From Checker	Response	Plan Check	Status		
			S708-R0 STG Platform Mezzanine Level Partial Plan									
			S750-R1 STG Platform Elevation Along Col. Lines 1, 1.5 & 2									
			S751-R1 STG Platform Elevation Along Col. Lines 3 & 4									
			S765-R1 STG Platform Girt Elev At Col. Line 1,1.5, D, 2&C,4									
			S768-R1 STG Platform Girt Elev Along Col. Lines G & 4.9									
			S775-R1 STG Platform Elevation Along Col. Lines A,B,C&C,4									
			S776-R1 STG Platform Elevation Along Col. Lines D, E, F & G									
			S800-R1 STG Platform Column Schedule									
			S805-R1 STG Platform Base Plate Details									
			S810-R1 STG Platform Steel Sections & Details									
			S811-R0 STG Platform Steel Sections & Details									
			S812-R0 STG Platform Steel Sections & Details									
			S813-R0 STG Platform Steel Sections & Details									
			S830-R1 STG Platform Stair #1 Plans									
			S831-R0 STG Platform Stair #2 Plans									
			S832-R0 STG Platform Stair #3 Plans									
			S833-R0 STG Platform Stair #4 Plans									
			S835-R0 STG Platform Stair #1 Sections									
			S836-R0 STG Platform Stair #1 Sections									
			S837-R0 STG Platform Stair #1 Sections									
STRUCT-1	3120	000163	STG Platform:	4/22/03	04/29/03	05/31/03		GJ	Approved by GJ Sent to JL In City of Industry, Approved by Steve Windmayer		28	28
			S700 - R1 Structural Steel Drawing List	5/06/03					CBO needs make Disposition and Inform			
			S701 - R2 Framing Plan									
			S705 - R2 Framing Plan									
			S706 - R2 Framing Plan									
			S707 - R1 Mezzanine									
			S708 - R1 Mezzanine									
			*S709 - R0* Checked Plate									
			S715 - R2 Pedestal Access Platform									
			S750 - R2 Elevations along Column line									
			S751 - R2 Elevations along Column line									
			S752 - R2 Elevations along Column line									
			S765 - R2 Girt Elevations									
			S766 - R2 Girt Elevations									
			*S770 - R0* Removable Panel Details									
			S771 - R0* Removable Panel Details									
			S775 - R2 Elevations along Column line									
			S805 - R2 Base Plate Details									
			S810 - R2 Steel Sections									
			S811 - R1 Steel Sections									
			S812 - R1 Steel Sections									
			S813 - R1 Steel Sections									
			S830 - R2 Stair #1									
			S831 - R1 Stair #2									
			S832 - R1 Stair #3									
			S835 - R1 Stair #1 Section									
			S836 - R1 Stair #2 Section									
			S837 - R1 Stair #3 Section									

**NETCAT DOCUMENT SUBMISSION RECORD**  
CAPLINE BEER AND CBO

**WILLDAN CBO PROJECT NO. 13234**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required			Submitted	Response	Documents
				Issued	Due	To Checker	From Response	Plan Check	Status				
STRUC-1	3021	00036	Siemens Westinghouse Documents - Design and Load Calculations for Gland Seal Steam Skid W501F Turbine Enclosure Structure-CT Pipe Rack Structure-Design and Load Arrangement and Foot Loads-Design	6/27/02 7/10/02		JL	N-7/10/02						
STRUC-1	3021	00049	Siemens Westinghouse Documents 000-000-125-742 Cates and Fogger Skid Anchorage 000-000-125-740 Found. Loads and Anchoring/Steam Turbine Salsamic Loads 000-000-125-714 Struc Calc & Drawgs	07/09/02		HK							
STRUC-1	3021	00093	Design Calculations for Vacuum Pump Skid for Main Steam Condenser - SC-26787-CBO	11/01/02									
STRUC-1	3021	00106	Siemens Westinghouse Calculation Revisions 1.) CTG Pipe rack structure SWPC-CM-007 2.) Design & load calculations for ST tube oil module 43237-LCAD 3.) Design & load Calc for leakproof Steam Skid 43277-LOAD 4.)W501F Turbines Enclosure Structure DA 182 5.)Condenser	11/21/02									
STRUC-1	3021	00108	Siemens Westinghouse Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPC# 000-000-140-477	11/25/02									
STRUC-1	3021	00178	Siemens Westinghouse: Gland Seal Condenser Calculation	07/11/03	no yet								
			Calc: Howard Martin # 43225-Load										
STRUC-1	3022	00037	Roadway: Moved to CIVIL Section	00/00/00 00/00/00									
STRUC-1	3022	00056	Roadway: Moved to CIVIL Section	08/02/02 08/22/02									
STRUC-1	3022	00062	Roadway: Moved to CIVIL Section	08/21/02 09/11/02									
STRUC-1	3022	00113	Roadway: Moved to CIVIL Section	12/6/2002 00/00/00									
STRUC-1	3022	000118	Roadway: Moved to CIVIL Section	12/23/02 01/07/03									
STRUC-1	3020	00034	STG Platform Piles, Drawings and Calculations 02/84-001-06-028 STG Foundation Rev. 0	see00066 10/7/02	JL	6/24/2002							
STRUC-1	3023	00038	STG Platform Foundation:	6/19/02	07/23/02	DN							
			1. Drawings: Calc: 02484-001-06-028, R1 STG										
			S120-R1, Steam Turbine Platform Pile Plan										
			S125-R0, Steam Turbine Platform Foundation Plan										
			S135-R0, Steam Turbine Platform Pile Cap Details										
			S190-R0, Steam Turbine Platform Sections & Details										
			S191-R0, Steam Turbine Platform Sections & Details										
			S192-R0, Steam Turbine Platform Anchor Bolt Schedule										

**METCAL DOCUMENT SUBMISSION RECORD**  
**CALPINE&R AND CBO**

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required			Submitted Documents
				Issued	Due	To Checker	From Response	Plan Check	Status			
STRUC-1	3023	00061	S193-R0, Steam Turbine Platform Enlarged Foundation Plan STG Platform Foundation: 1 Letter, 1 Calc, 2 Drawings Letter: 8/15/02 Response to CBO comments	8/15/02	10/04/02		JL			BREI responds to DN comments		4 4
			Calc: 02484-001-06-028 R2, STG Platform Foundation Design									
			S125-R1, Steam Turbine Platform Foundation Plan									
			S190-R0, Steam Turbine Platform Sections & Details									
STRUC-1	3023	00088	STG Platform Foundation: 6 Drawings, 1 Calc. Calc: 02484-001-06-028, R3 STG Platform Foundation Design	10/28/02	11/06/02		EM GJ	Approved Unstamped	Calcs only to GJ on 11/6/02 Pile Plans approved			7 7
			S120-R2, Steam Turbine Platform Pile Plan									
			S125-R2, Steam Turbine Platform Foundation Plan									
			S135-R1, Steam Turbine Platform Pile Cap Details									
			S190-R2, Steam Turbine Foundation Sections & Details									
			S191-R1, Steam Turbine Foundation Sections & Details									
			S192-R1, Steam Turbine Platform Anchor Bolt Schedule									
STRUC-1	3023	00096	STG Platform Foundation Plan, Dated 11/01/02 S193-R1	11/05/02	11/06/02		EM GJ	Approved see Below			2 2	
STRUC-1	3023	00103	STG Platform Foundation: Response by Burns and Roe, Revised Drawing	11/03/02	01/15/03		GJ	Approved see Below				
			Letter: 11/13/02 Response to CBO comments									
STRUC-1	3023	000131	STG Platform Foundation: 1 Letter, 2 Calc, 11 Drawings	01/17/03	02/06/03		EM GJ	Approved 7/09/03			14	
			S192-R2, Steam Turbine Platform Anchor Bolt Schedule									
			Calc. 02484-001-06-039, R0 Design of Slab STG									
			Calc. 02484-001-06-040, R0 STG Stair Tower- Foundation									
			S120-R0, STG Platform Pile Plan									
			S125-R3, STG Platform Foundation Plan									
			S135-R2, STG Platform Foundation Pile Cap Details									
			S160-R0, STG Area Slab Plan At E1.255'-6" 1/17/03									
			S161-R0, STG Area Enlarged Slab Plan "At E1.255'-6"									
			S162-R0, STG Area Enlarged Slab Plans "2' & '3' At E1.255"									
			S170-R0, STG Area Slab Plan At E1.295'-0 1/2" (Opning Floor)									
			S171-R0, STG Area Elevated Slab Details (Operating Floor)									
			S190-R3, STG Platform Foundation Sections & Details									
			S191-R3, STG Platform Foundation Sections & Details									
			S192-R3, STG Platform Anchor Bolt Schedule									
STRUC-1	3023	000173	STG Platform Foundation: 2 Drawings	6/10/03	6/27/03		GJ				2 2	
			S171-R1, STG Area Elevated Slab Details (Operating Floor)									
			S193-R2, Steam Turbine Platform Enlarged Foundation Plan									
STRUC-1	3023	000180	STG Platform Foundation: 2 Drawings	7/22/03	not yet							
			S171-R2, STG Area Elevated Slab Details (Operating Floor)									

**NETCRAFT DOCUMENT SUBMISSION RECORD  
CALPIE EUR AND CBO**

WILLDAN CBO PROJECT NO. 13254

ETCAL DOCUMENT SUBMITTAL RECORD  
CA/PINEB/RAND/CBO

WILLDAN CBO PROJECT NO. 13254

WILLDAN CBO PROJECT NO. 13254								
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates			Comments - Action Required	
				Issued Due	To Checker	From Checker	Response	Plan Check
STRUC-1	3025	00041	Specifications: 3 Documents	6/24/2002				A-7/23/02 Will resubmit 2 copies
			Spec# 02721-R0 Aggregate Base Course					6
			Spec# 02740-R0 Asphalt Paving					
			Spec# 03200-R1 Concrete Reinforcement					
STRUC-1	3025	000181	Specifications: 1 Document	07/29/03				Packet has 2 documents. See 3019-000181 for other doc
			Spec# 03200-R2 Concrete Reinforcement					
STRUC-1	3026	00042	Pile Submittals-MORT.01-00-0002 Pile Driving Hammer MORT.01-00-0003-Pile Driving Crane Data Sheet MORT.01-00-0004-Pile Driving Analyzer Data Sheet MORT.01-00-0005-Ground Vibration Equipment Data MORT.01-00-0006-Noise Monitoring Plan MORT.01-00-0009-Pile L	06/26/02	To Check 10/04/02	JL		Sent to JL (Industry 10/4) May have been returned. Needs "Black-Box" review
STRUC-1	3027	00043	Cooling Tower calc's Rev. 0	6/27/02 7/22/02			N-7/23/02 Rejected	1 1
STRUC-1	3027	00060	Burns & Roe response to 00043 Calculations 02484-001-06-010 Rev 1 and drawings S350, S351, S352, S355, S356, S357 AND S363 Rev 1	8/12/02 9/04/02	10/10/02	see CBO 00076	10/10/02 superceded	8 8
STRUC-1	3027	00076	Cooling Tower: Dwg's & Calc. Cooling tower Basin redesign for pile capacity Calcs 02484-001-06-010 Rev 2, S350.-S351, S352, S355, S356, & S363 Rev 2, dated 9/24/02.	10/9/2002			C-10/15/02	Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02
STRUC-1	3027	00094	Cooling Tower: Piles in Pump Pit Area and Inlet Header Foundations Pump Pit Foundation Calcs 02484-001-06-01 Rev. 0	11/04/02 11/18/02	To Checker 11/08/02	Fro Check 11/13/02	EM GJ Unstamped	CT Piles (less pump pit area) were approved via BB e-mail on 11/13/02 with comments resulting in correspondence.
STRUC-1	3027	000101	Cooling Tower Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02Calcs 02484-001- 06-011 submitted in previous packet.	11/07/02 11/29/02	To Checker 11/13/02	Fro Check 11/18/02	EM GJ Re-designed	Pump pit structure comments were significant. Pump area was re-designed and submitted on CBO #000117 on 12/23/02
STRUC-1	3027	000115	Cooling Tower Foundation: Drawings, dwgs: S355 R3, S356 R3, S357 R3, S362 R0, S363 R3, S358 R1	12/11/02 1/02/03	To Checker 12/13/02	Fro Check 12/18/02	GJ Not Approved	Comments need response from engineer 7 3
STRUC-1	3027	000117	Cooling Tower Pump Structure Dwgs & Calc. Calc. Calc: 02484.001- 06-011 Draw S361 R1, S364 R1, S355 R1, S366 R1, S367 R1, S368 R2.	1/23/02 01/15/03	To Checker 01/07/03		GJ	
STRUC-1	3027	000125	Cooling Tower Foundation: Drawings. Response to Comments dwgs: S355 R4, S356 R4, S357 R4, S362 R1, S363 R4	01/03/02 01/23/03	To Checker 01/09/03	From Check 01/21/03	Approved GJ Unstamped	
STRUC-1	3027	000127	Cooling Tower Pump Structure: Supplemental Drawing S860R0 Access Stair	01/07/03 01/28/03	To Checker 01/09/03	02/05/03	GJ Checher Approved	18 NA
STRUC-1	3028	00045	STG Pedestal: 17 Drawings 1 Calc. Calc: 02484-001-06-005, R0	6/27/02 7/22/02			7/23/2002 DN Not Approved	Significant number of comments by David Newman on July 23 of 2002 but replied to on 3028-00045, below and later approved
							Superseded	

**MECHANICAL DOCUMENT SUBMISSION RECORD**  
CANTERBURY BRAND CEO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required		Submitted Documents
				Issued	Due	To Checker	From Response	Plan Check	Status	
			S245-R0, STG/Generator Pedestal Foundation Plan	Approved	Superseded					CBO to check note on what this supersedes. Note said "supersedes 3020-0003"
	*		S246-R0, STG/Generator Pedestal Foundation Sections & Detail	Not OK	Superseded					
			S247-R0, STG/Generator Pedestal Misc. Sections & Details	Approved	Superseded					
			S248-R0, STG/Generator Pedestal Operating Floor Embed Plan	Approved	Superseded					
			S249-R0, STG/Generator Pedestal Operating Floor Embed Plan	Approved	Superseded					
			S250-R0, STG/Generator Pedestal Operating Floor Reinfor Pla	Approved	Active					
			S251-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S252-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S253-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S254-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S255-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S256-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S257-R0, STG/Generator Pedestal Concrete Section	Approved	Superseded					
			S258-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S259-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S260-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S261-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S262-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S263-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S264-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S265-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S266-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S267-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S268-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S269-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S270-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
	*		S271-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
			S272-R0, STG/Generator Pedestal Concrete Sections	Approved	Superseded					
	*		S273-R0, STG/Generator Pedestal Concrete Sections	Not OK	Superseded					
	*		S274-R0, STG/Generator Pedestal Concrete Sections	Not OK	Superseded					
			S275-R0, STG/Generator Pedestal Embodiment Sections & Detail	Not OK	Superseded					
			S276-R0, STG/Generator Pedestal Embodiment Sections & Detail	Approved	Superseded					
STRUC-1	3032	00055	STG Pedestal:	08/01/02	xx	xx	xx	xx	10/28/02	JL Approved
			1 Letter, 4 Drawings		08/22/02					
			Letter 8/01/02, Response to CBO comments of 7/23/02	Approved	NA					
			S246-R1, STG Pedestal Foundation Sections & Details	Approved	Superseded					
			S272-R1, STG Pedestal Concrete Sections	Approved	Superseded					
			S273-R1, STG Pedestal Concrete Sections	Approved	Superseded					
			S275-R1, STG Pedestal Embodiment Sections & Details	Approved	Superseded					
STRUC-1	3028	00081	STG Pedestal Foundations Piling:	10/03/02	10/10/02				10/28/2002	JL Approved
			10 Calculations and 1 Drawings:							
			S245-R1, STG Pedestal Foundation Plan	Approved	Superseded				05/22/03	05/30/03 06/04/03 GJ Approved 7/01/03
			S246-R2, STG Pedestal Foundation Sections	Approved	Superseded					
			S247-R1, STG Pedestal Misc. Sections	Approved	Active					
			S250-R1, STG Pedestal Operating Floor Plan	Not OK	Superseded					
			S255-R1, STG Pedestal Operating Floor Imbedment Plan	Approved	Superseded					
			S265-R1, STG Pedestal Concrete Section	Approved	Active					
			S269-R1, STG Pedestal Concrete Sections	Approved	Superseded					
			S270-R1, STG Pedestal Concrete Sections	Approved	Active					
			S271-R1, STG Pedestal Concrete Sections	Approved	Superseded					
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active					
			S276-R1, STG Pedestal Imbedment Sections	Approved	Superseded					
STRUC-1	3028	000176	STG Pedestal:	7/03/03	7/18/03				07/29/03	GJ Checker Approved
			9 Revised Drawings:							
			S245-R2, STG Pedestal Foundation Plan	Pending	Active					
			S247-R2, STG Pedestal Misc. Sections	Pending	Active					
			S250-R2, STG Pedestal Operating Floor Plan	Pending	Active					
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Pending	Active					
			S266-R1, STG Generator Pedestal Concrete Section	Pending	Active					
			S268-R1, STG Generator Pedestal Concrete Sections	Pending	Active					

METCAL DOCUMENT SUBMITTAL RECORD CALLENE & RAY CBO												
WILLDAN CBO PROJECT NO. 13254												
Cont.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required		Documents Submitted	Response
				Issued	Due	To Checker	From Checker	Response	Plan Check	Status		
			SZ69-R2, STG Pedestal Concrete Sections	Pending		Active						
			SZ72-R2, STG Pedestal Concrete Sections	Pending		Active						
			SZ76-R2, STG Pedestal Imbedment Sections	Pending		Active						
STRUC-1	3028	000183	STG Pedestal: 2 Revised Drawings:	08/13/03				GJ	Checker Approved			9 9

**MECHANICAL DOCUMENT SUBMISSION RECORD**  
CALPINE & R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required		Submitted Documents	Response
				Issued	Due	To Checker	From Response	Plan Check	Status			
			S270-R2, STG Pedestal Concrete Sections	Pending	Active							
			S273-R2, STG Pedestal Concrete Sections	Pending	Active							
			STG Pedestal: 2 Cakes and 17 Drawings Active Calcs and Drawings for Final CBO Binder Calc. 0284-001-06-005-R2 STG Pedestal Pila Foundation Design	Approved	Active							
			Calc. 0284-001-06-005-R1 STG Pedestal Foundation Design	Approved	Active							
			S246-R1, STG Pedestal Pila Plan	Approved	Active							
			S246-R2, STG Pedestal Foundation Plan	Approved	Active							
			S247-R2, STG Pedestal Foundation Sections	Approved	Active							
			S247-R2, STG Pedestal Misc. Sections	Approved	Active							
			S250-R2, STG Pedestal Operating Floor Plan	Approved	Active							
			S255-R2, STG Pedestal Operating Floor Imbedment Plan	Approved	Active							
			S260-R0, STG Generator Pedestal Operating Floor Reinforc Pila	Approved	Active							
			S265-R1, STG Generator Pedestal Concrete Section	Approved	Active							
			S266-R1, STG Generator Pedestal Concrete Section S-267	Approved	Active							
			S266-R1, STG Generator Pedestal Concrete Sections	Approved	Active							
			S269-R2, STG Pedestal Concrete Sections	Approved	Active							
xx			S270-R2, STG Pedestal Concrete Sections	Approved	Active							
xx			S271-R1, STG Pedestal Concrete Sections	Approved	Active							
			S272-R2, STG Pedestal Concrete Sections	Approved	Active							
xx			S273-R2, STG Pedestal Concrete Sections	Approved	Active							
			S275-R2, STG Pedestal Imbedment Sections	Approved	Active							
			S276-R2, STG Pedestal Imbedment Sections	Approved	Active							
STRUC-1	3028A	00098	STG Pedestal Access Platform: 1 Calculation, 1 Drawing	11/07/02	To Checker	12/19/2003	1/15/2003	GJ	Not Approved	Significant comments on drawing S715 and one Calculation comment precludes annual audits firms		
			Calc. 02484-001-06-033, STG Platform 27'-6" -Steel Design	11/27/02	11/25/02							
STRUC-1	3028A	000145	STG Pedestal Access Platform: 1 Letter, 1 Drawing	02/28/02 03/14/02	03/07/03 03/14/03			GJ	Checker Approved			2
			Letter: 2/28/03 Reponse to CBO comments 1/14/03									
			S715-R1, STG Generator Pedestal Access Platform									
STRUC-1	3028B	000152	Circ Water Pipe with Calc from 3020 Moved to Section 3041 Cir Pipe Support	03/12/03 03/24/03								2 2

WILLDAN CBO PROJECT NO. 13254										
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required		
				Issued	Due	To Checker	From Checker	Response	Plan Check	Status
STRUC-1	3029	00047	CTG: S206ctg Units 1& 2 Rev 1	07/22/02 07/25/02					C-9/30/02 Verbal	Disposition dated 10/9/02
STRUC-1	3029	000120	CTG Containment Trench: 1 Calculation and 2 drawings call#: 02484-001-06-041	1/22/02	01/07/03	01/15/03	GJ	Approved with Note Note says suggest providing expansion joints.		4 0
			S-225-R0							
			S-226-R0							
			S-227-R0							
STRUC-1	3030	00052	Drawing S10b, Rev 4	07/22/02	08/12/02				A-9/30/02	2 2
STRUC-1	3031	00053	Precast Concrete Electrical Manholes, Rev 0 Spec. 02885 02315 Earthwork Rev 0	07/22/02 08/16/02					C-10/9/02	2
STRUC-1	3031	00079	Earthwork Specifications: 2. Specifications Spec. 02315 Rev 1 Earthwork	09/30/02 10/17/02				EM	Being reviewed by Eric Moran	
STRUC-1	3031	00148	Spec. 02821 Rev 0 Chain Link Fences and Gates Earthwork Specification: Spec. 02315, Rev. 2	08/10/03 No rsp. req'd				RS		0 0
STRUC-1	3032	000055	Moved to Section 3028	08/01/02 08/22/02						
STRUC-1	3034	000063	BOP Electrical / Control Building: 1 Calculation, 13 Drawings	08/22/02 09/13/02	1/28/2003	02/03/03	verbal CBO meeting 2/04		Approved Unstamped	History: Not listed here till 11/26/02. Sent to EM on 10/16/02 Re-sent as noted. EM approved over phone
			Calc: 0284-001-05-032		Active					14 14
			A100-R0		Active					
			A105-R0		Active					
			A131-R0		superseded					
			A133-R0		superseded					
			A140-R0		superseded					
			A141-R0		superseded					
			A150-R0		superseded					
			A158-R0		superseded					
			A175-R0, BOP Elec/Ctrl Bld Door & Finish Schedules & Types		superseded					
			A180-R0, BOP Elec/Ctrl Bld Typ Door Frame & Louver Details		superseded					
			S620-R0, BOP Elec/Ctrl Bld Roof Framing Plan		superseded					
			S621-R0, BOP Elec/Ctrl Bld Roof Slab Plan		superseded					
			S622-R0, BOP Elec/Ctrl Bld Sections & Details		superseded					
STRUC-1	3034	000174	BOP Electrical / Control Building: 11 Drawings	6/10/03 6/24/03				HK	Needs to be Reviewed for changes	
			A131-R1, BOP Elec/Ctrl Bld Roof Plan							

**METCAL DOCUMENT SUBMITTAL RECORD**  
CALPINE/B&V/CBO

**WILLDAN CBO PROJECT NO. 13234**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required			Submitted Documents	
				Issued	Due	To Checker	From Checker	Response	Plan Check	Status			
			A133-R1, BOP Elec/Ctrl Bid Typ Roof Penetration Details										
			A140-R1, BOP Elec/Ctrl Bid South & East Elevations										
			A141-R1, BOP Elec/Ctrl Bid North & West Elevations										
			A150-R1, BOP Elec/Ctrl Bid Wall Sections & Partition Types										
			A158-R1, BOP Elec/Ctrl Bid Misc Wall Sections & Details										
			A175-R1, BOP Elec/Ctrl Bid Door & Finish Schedules & Types										
			A180-R1, BOP Elec/Ctrl Bid Typ Door Frame & Louver Details										
			SP20-R1, BOP Elec/Ctrl Bid Roof Framing Plan										
			S621-R1, BOP Elec/Ctrl Bid Roof Slab Plan										
			S622-R1, BOP Elec/Ctrl Bid Sections & Details										
STRUC-1	3035	00085	Siemens STG Enclosure	10/16/02 11/04/02								2 0	
STRUC-1	3036	00070	CTG Inlet Air Filter & Silence foundation: Calcs 02484-001-06-027 Rev 0 Drawing S220 Rev 0	09/17/02 10/01/02								3 0	
STRUC-1	3036	000075	CTG: Drawings & calculations sound Barrier CTG Inlet Calcs 02484-001-06-031 Rev. 0 dated 9/19 Dwg S768 Units 1&2 Rev 0 and S769 Units 1&2 Rev 0	09/25/02 10/18/02								9 0	
	3036	000129	CTG: Air Filter Housing Structural Steel Calculations and drawings, Siemens / Carlton Eng / Pneumafil Mfg	01/13/03 02/03/03									
STRUC-1	3036	000129	CTG Equipment: Starter Package	04/07/03 04/28/03									
STRUC-1	3036	000129	CTG Equipment:Noise Abatement Structure	05/07/03 05/28/03									
STRUC-1	3036	000168	1. Calculation Booklet	05/22/03 05/28/03									
STRUC-1	3037	000072	Pile Load Testing: Lowney's conclusions and Recommendations and the following documents: Pile driving records (for all 27 piles)-PDA results (for all 27 piles)- CAPWAP results (for 24 blows on 14 separate piles)-Pile load test results-Specs 02472 Rev. 1,	09/19/02									
STRUC-1	3038	000077	PDC's: Moved to ELECT Section	09/25/02 10/09/02									
STRUC-1	3039	000078	Boiler Feedwater Pump Foundation: Calc 02484-001-06-016 Drawing S320 Rev 0, Section and Details S321 Rev. 0	09/27/02									
STRUC-1	3040	00082	Drawing S110, Rev 1 & Design Criteria Rev. 1	10/31/2002								1 1	
STRUC-1	3041	000090	Circ Water Pipe Support : Dwg S730, Rev. 0 Referred to Calc from STG Platform 3020	10/31/2002 11/06/02									
STRUC-1	3028B	000152	Circ Water Pipe Support: 1 Calculation, 1 Drawing	03/12/03								2 2	
			Calcs. 02484-001-06-029-R2, STG Platform Foundation Design S730-R1, Cir. Water Pipe Support Frame Plan Sec & Detail										

**WECAL DOCUMENT SUBMITTAL RECORD**  
CALINE/BER AND CBO

**WILLDAN CBO PROJECT NO. 13234**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required		Submitted	Response
				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	3042	00092	Pipe Rack Structure: Calcs 02484-001-06-022, Pipe Rack Steel Design, Rev. 0 Dwg# S900, S901, S902, S903, S904, S905, S906, S930, S931, S932, S940, S941, S942, S943, S944, S945, S950, S951, S952, S953, S954, S955, S956, S958, S959, S965 Rev 0 dated 10/			To Checker	Fro Check	12/03/02	GJ	Not Approved	Major Scope: Significant number of comments need to be resolved
STRUC-1	3042	00111	Pipe Rack Foundation and Piles: Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw# S630R0, S540R0, S550R0, S551R0, S552R0, S553R0	11/29/02	To Checker	Fro Check	To Engineer	12/09/02	GJ-EM	Not Approved	Eng. needs to get pile comment resolved. Remaining comments can be resolved later
STRUC-1	3042	000123	Pipe Rack Foundation and Piles: Response to CBO comments, Calc# 02484.001-06-023 Dwg# S540 R1, S552 R1, S553 R1	12/31/2002	1/7/2003	1/21/2003	Recomd Approve	GJ	Piles Approved	BB to review & prepare comments. Minor comment: Add a note on dwg: 540	4 0
STRUC-1	3042	000132	Pipe Rack Foundation: New Steel Platforms Calculation 02484-001-06-044-R0, Pipe Rack-Misc. Steel Platform Design Drawing S933-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections	1/17/2002	1/23/2003	2/24/2003	GJ			Not Approved by Checker	30
STRUC-1	3042	000140	Pipe Rack Steel Structure: 1 Calculation 29 Drawings Dwg# S553R2, S800R1, S901R1, S902R1, S903R1, S904R1, S905R1, S906R1, S930R1, S931R1, S932R1, S940R1, S941R1, S942R1, S943R1, S944R1, S945R1, S950R1, S951R1, S952R1, S953R1, S954R1, S955R1, S956R1, S958R1, S959R1, S965R1, S966R1, S967R1 Calc# 02484-001-06-22-R1	02/06/03	2/28/2003	3/6/2003	GJ			Not Approved by Checker	
STRUC-1	3042	000155	Drawings for Pipe Rack Foundations Drawings S540-R2, Pipe Rack Foundation plan Drawing S550-R1, Pipe Cap Details Drawing S551-R1, Pipe Cap Details Drawing S552-R2, Pipe Rack Foundation Sections and Detail	03/21/03		Verify and Send				Find - Need to get to checker	5 0
STRUC-1	3044	00097	STG Main Step-up Transformer: 1 Calculation, 4 Drawings Calcs 02484-001-06-008 S-567-R0 S-570-R0 S-577-R0 S-578-R0	11/07/02			08/13/03	GJ	Approved		3 3
STRUC-1	3044	00110	STG Main Step-up Transformer: Drawings / Calcs Calc# 02484-001-06-008 R1 S577R1 S578 R1	11/27/02	12/05/02	12/11/02	GJ-EM	Not Approved	Comments need response from engineer	3 0	

**WILDCAT DOCUMENT SUBMITTAL RECORD**  
CALIFORNIA & RAILROAD & CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required			Submitted	Response	
				Issued	Due	To Checker	From Response	Plan Check	Status					
STRUC-1	3044	000128	<b>STG Main Step-up Transformer:</b> 1 Letter, 1 Calculation, 2 Drawings	01/08/03	01/14/03	GJ	Approved					1	0	
			Letter Response to CBO comments											
			Calcs Calc# 02484-001-06-008 R2											
			S-577-R2											
			<b>STG Main Step-up Transformer:</b> Recap of Current Drawings and Calculations											
			Calcs 02484-001-06-008-R2											
			S-567-R0 Pile Design & Layout											
			S-570-R1 Foundation Design											
			S-577-R2 Foundation Sections & Details											
			See 3059											
			S-578-R2 Foundation Sections & Details											
STRUC-1	3045	000100	Piles: Concrete-Filled Pipe Piles: Specs 02472-R2	11/08/02								1	0	
STRUC-1	3045	000137	Piles: Concrete-Filled Pipe Piles: Specs 02472-R3	01/25/03								2	2	
STRUC-1	3046	000102	<b>HRSG: Drawing &amp; Calculations for HRSG Unit 1- Calcs 02481-001-06-006 Mat Foundation for HRSG &amp; Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pile Location Plan, Unit 1 Rev1 Dated 11/07/02.</b>	11/07/02	To Checker	Fro Check 11/19/02	GJ-EM			Incomplete		4	4	
STRUC-1	3046	000112	<b>HRSG Foundation Drawings - S305, S307, S310, S313</b>	12/03/02	To Checker	Fro Check 12/24/02	GJ-EM							
STRUC-1	3046	000124	<b>HRSG: Response to CBO Comments and Revised Foundation Plans Dwg#: S305 R2, S310 R2</b>	12/31/02	To Checker	Fro Check 01/22/03	GJ	Approved	Not Approved	Comments need response from engineer		2	0	
			<b>HRSG: Foundation 8 Drawings S305-R3 Foundation Plan Unit 1 S306-R1 Foundation Plan Unit 2 S307-R2 Reinforcement Plan Unit 1 S308-R1 Reinforcement Plan Unit 2 S310-R3 Section Details Units 1&amp;2 S311-R1 Section Details Units 1&amp;2 S313-R2 Anchor Details Units 1&amp;2 S315-R0 Equip Foundations Units 1&amp;2</b>	2/10/03	02/20/03	3/4/2003	GJ	Approved By Checker					7	0
STRUC-1	3047	00109	<b>CTG Main Step-Up and Auxiliary Transformer Foundation:</b> 1 Calculation & 6 Drawings:	11/27/02	08/13/03	08/22/03	GJ	Not Approved		Found forgotten package as a result of new package 3059 Iso-Phase Bus Sent to Gang with same package 3059		7	0	
			Calc.# 02484-001-06-008-R0											
			S-571-R0 CTG Main SU & Aux Foundation Plan	See 3059										
			S-572-R0 CTG Main SU & Aux Foundation Plan	See 3059										
			S-574-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059										
			S-575-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059										

METCAL DOCUMENT SUBMISSION RECORD GALP/CBRA AND CBO										
WILLDAN CBO PROJECT NO. 13254										
Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates				Comments - Action Required		Documents Submitted
				Issued	Due	To	From	Response	Plan Check	
			S-576-R0 CTG Main SU & Aux Foundation Sects & Details	See 3059		Checker	Checker		Status	

WILLDAN CBO PROJECT NO. 13254									
Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required	
				Issued	Due	To Checker	From Response Checker	Status	Submitted Response Documents
			3051 & 3059 S-579-R0 Station Svc Transf. Found Plan Sects and Details	See 3059					
STRUC-1	3048	00114	Condensate Pump Foundation: Drawing and Calculation, calc# 02484-001-06-038 draw: S290R0	12/06/02 12/27/02	01/15/03 1/09/03	GJ	Approved Needs Disposition	Add a note on dwg: 280 spec 1/2" anchor... Solved Not Required	1 0
STRUC-1	3049	00116	CTG Foundation Units 1&2 Drawing S206 R2	12/17/02	12/18/02	GJ	VERIFY if sent	This goes with Sub# 3017	1 0
STRUC-1	3050	000119	Manholes & Covers Specification 02607	12/23/02 01/15/03					
STRUC-1	3051	000122	Station Service Transformer Foundations 1 Calibration 2 Drawings Calc# 02484-001-06-037	12/30/02 01/21/03	1/15/2003	GJ	Conditionally Approved	Distance between Transformer and wall verify.	3 0
	3059 & 3044		S579 R1 STG Transformer						
			S579 R1 Station Service Transformer Plan, Sections & Details						
STRUC-1	3051	000122	Station Service Transformer Foundations 1 Letter of Explanation	8/20/2003		GJ	Approved		
STRUC-1	3052	none	Admin Building: Bechtel 3 Drawings: Dwg A1-8110, Dwg A2-8190, Dwg A5-8110	11/06/01					
STRUC-1	3053	000144	Excitation Transformer Foundation: 1 Drawing 1 Calc: Dwg: S585-R0 Excitation Transformer Foundation Calculation: 02484-001-60-043-R0	02/19/03	03/07/03	GJ	VERIFY if sent		5 0
STRUC-1	3054	000158	Circuit Breaker (CB) Platform for CTGs: 2 Calcs, 3 Dwg: Calculation: Foundation 02484-001-60-025-R0 Calculation: Steel Platform 02484-001-60-048-R0 Dwg: S601-R0 CTG Units 1&2 CB Platform Foundation Dwg: S880-R0 CTG Unit #1 CB Platform Structure Dwg: S881-R0 CTG Unit #2 CB Platform Structure	03/26/03	04/10/03	04/15/05	GJ	Not Approved by Checker	
STRUC-1	3055	000162	Water Tanks: Fire-Water & Demineralized: 1 Calcs, 2 Dwg: Calculation: Tank Foundation 02484-001-06-012-R0 Dwg: S519-R0 Water Tank Pile Layout Dwg: S111-R2 Pile Sect. Details Revised for Tank Piles	4/17/03 4/25/03	04/22/03	04/24/03	GJ	Sent notes directly to BREI taking action	High Priority Review of piles needed Approved based on verbal clarifications
STRUC-1	3055	000167	Water Tanks: 1 Calcs, 2 Draw: Calculation: # 02484-001-06-R1 Dwg: S519-R1 Demineralized & Firewater Tanks Dwg: S110-R3 Composite Pile Plan	5/02/03 5/10/03	05/06/03	05/15/03	GJ	Checker Approved	2 0

ME TO CALIF DOCUMENT SUBMITTAL RECORD  
CALPINE/B&R AND CBO

WILLIAM CBO PROJECT NO. 13251

**MICHAEL DOCUMENT SUBMISSION RECORD**  
CALPINE/BRANDCBO

WILL DAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments	Documents Submitted	Response
				Issued / Due	To Checker	Check	Resubmit	Plan Checker			
MECH-1	4002	000080	Piping System P&IDs: MT-P-2015-AST-001 Rev.1, Antonia Storage MT-P-2079-SSW-001 REV. 1, MT-P-2080-SWS-001 REV.2, MT-P-2081-SWS-002 REV.2, MT-P-2052-FWS-001 REV 2, Fire Water MT-P-2053-FWS-002 REV 2, Fire Water MT-P-2033-GEN-003 REV.0, MT-P-2044-GEN-004 REV.0, MT-P-2005-GEN-005 RE	10/1/2002 10/22/2002							
MECH-1	4002	000086	Waste Water Collection P&ID, 4 Drawings: MT-P-2084-WWC-001- 1 of 4, MT-P-2085-WWC-002- 2 of 4 MT-P-2086-WWC-003- 3 of 4 MT-P-2087-WWC-004- 4 of 4 Rev 1 dated 10/17/02 Circulation Water System: 1 Drawing MT-P-2042-CWS-00- 1of 3 Rev. 2 Fuel Gas P&ID: 3 Drawings MT-P-2046-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2048-FGS-003- 3 of 6 Fire Protection Arrangement: 1 Drawing Dwg M203-R1	10/21/2002 11/1/2002							
MECH-1	4002	000149	Fire Protection Arrangement: 1 Drawing Dwg M203-R1	none						Send to Greg Carr	
MECH-1	4003	000091	Fire Protection: 1 Spec and 4 Drawing Specification - Fire Risk Evaluation-Rev B M201 General Arrangement Plan at Grade M203 Fire Protection Arrangement MT-P-2052-FWS-001-R2 Fire Water P&D MT-P-2053-FWS-002,-R2 Fire Water P&D	10/30/2002 11/1/2002					GC		
MECH-1	4003	000139	Fire Protection: 1 Drawing: General Arrangement Plan View M201-R2	01/30/03 02/20/03	02/03/03				HK	New	
MECH-1	4003	000166	Fire Protection 6 Drawing MT-P-2042-CWS-001 Circulating Water System MT-P-2043-CWS-002 Circulating Water System MT-P-2044-CWS-003 Circulating Water System MT-P-2052-FWS-001 Fire Water MT-P-2053-FWS-002 Fire Water	5/1/2003	05/07/03				GC		
MECH-1	4004	000105	Mechanical Design Criteria: Specification #	11/21/02							
MECH-1	4004	000XXXX	Drawings Requested By CBO	01/26/03						In review of Fire Protection MTP-2052-FWS-001 Refer To Excel Spreadsheet "Audit NJ Brief Drawgs.xls" For detailed list of documents	
MECH-1	4011	xxxx	Burns & Roe NJ Review: 186 Drawings Various BREI Mechanical Drawings						HK		

MECHANICAL DOCUMENT SUBMISSION RECORD										
TAKING CARE OF CBO										
WILLDAN CBO PROJECT NO. 13254										
Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates						
				Issued / Due	To Checker	From Check	Resubmit	Plan Checker	Status	Comments
MECH-1	4011	xxxx	Burns & Roe NJ Review: 10 Drawings Various BREI Vendor Mechanical Drawings					HK		Refer To Excel Spreadsheet "Audit NJ Vendor Dwgs.xls" For detailed list of documents
MECH-1	4011	xxxx	Burns & Roe NJ Review: 04 Calculations Various BREI Mechanical Calculations					HK		Refer To Excel Spreadsheet "Audit NJ Brei Dwgs.xls" For detailed list of documents
MECH-1	4000	Calpine # 387	Cooling Tower Circ Pipe Dwgs: Requested to support RFI review 22 drawings	05/20/00	05/21/03			RS		Approval not required // For Info Only
MECH-1	4050	000-172	Fire Protection Plan: 1 Letter, 0 Calc, 0 Drawings	05/29/03	05/30/03					
			Letter 5/29/03, Response to 3 CBO Letters of 3/18/03, 3/19/03, & 4/15/03							1
STATUS CODES										Total: Total:
A - Approved	I - Accepted as far information only	N - Not approved, returned with comments.	C - Approval Conditioned upon submittal of addit. info. or replacement	P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CEO.						
				D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party						
				H - On hold by Mortenson/Calpine						
				R - Reversal of approval pending resolutions from outside agencies.						

## WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates					Comments		Documents
				Issued Due	To Checker	From	Reply	Plan Checker	Status		
ELEC-1	5001	0000046	Electrical Grounding: 21 Drawings, No Calculations:	6/28/2002	xx	xx	05/15/03	BS ES	Approved	BS = Bob Snyder Disposition Dated 5/15/03 Sent via e-mail and Mailed 7-22-03	21
			E200-R0				07/22/2003				
			E201-R0								
			E202-R0								
			E203-R0								
			E204-R0								
			E205-R0								
			E206-R0								
			E207-R0								
			E208-R0								
			E209-R0								
			E210-R0								
			E212-R0								
			E213-R0								
			E214-R0								
			E215-R0								
			E216-R0								
			E218-R0								
			E230-R0								
			E231-R0								
			E232-R0								
			E233-R0								
ELEC-1	5001	0000050	Electrical Grounding: 11 Revised Drawings & 1 Calculation Calculation: 2464-01-07-006 Rev. 1	7/18/2002 8/6/2002	xx	xx	10/22/02	BS ES	Disposition Dated 5/15/03 A-10/22/02 Sent via e-mail and Mailed 7-22-03		12
			E201-R1				07/22/03				
			E203-R1								
			E205-R1								
			E207-R1								
			E208-R1								
			E209-R1								
			E210-R1								
			E212-R1								
			E213-R1								
			E215-R1								
			E216-R1								
			CBO Letter of Concern Regarding Tank Grounding 3 July 2002								
			E209-R1								
			E230-R0								
			Cable Sizing Calc:								
ELEC-1	5001	0000067	Underground: 024B4-01-07-011 R0 Above Ground: 024B4-01-07-012 R 0	8/3/2002 8/23/2002				ES			
ELEC-1	5001	0000150	Underground and Above Ground Cable Sizing Calc: 2 Calculation:	5/11/03 04/02/03	05/29/03	06/11/03		ES	Approved		2
			Calculation 024B4-01-011, RI Underground Cable Sizing Calculation 024B4-01-07-012, RI Above Ground Cable Sizing								
ELEC-2	5002	0000057	20 Drawings Electrical One-Line Drawings	8/22/2002 8/23/2002	10/15/02	xx	10/09/03	ES	C-10/17/02	Conditionally approved but it was later determined: Drawing E104 was needed	18
			E101, E102, E103, E105, E107, E108, E109, E110, E111, E113, E114, E121, E122, E123, E124, E125 REV 0								
ELEC-2	5002	000104	Electrical Single-Line Drawing Draw: E-104 RI sent in response to 2/12/03 letter	11/14/02 11/20/02			02/11/03	ES	Not Approved Sent Comments	Second review after receiving E-104 reveals significant comments	0
ELEC-2	5002	No Sub Number	Electrical Single-Line Drawings: E128B, E128A, E131B, E132B, E133A, E134A, E140A, E141B, E142B, E143A, E160RD, E161RD, E160A, E18A, E184A, E185A, E186A	xx/06/03				ES	Not Approved	Significant Number of comments sent to B&R via E-mail These drawings were obtained by CBO at plant around mid-November. Elias prepared some comments. Drawings are preliminary and not for release and not officially submitted, so comments are being held by CBO.	1
ELEC-2	5002	000151	Electrical One-Line Drawings: 11 Letter, 23 Drawings	03/13/03	04/07/03	04/29/03	05/02/03	ES	Approved	Approval of two previous submittals this subject: CBO# 0000057 and CBO# 000104	24

CALIFORNIA VERSUS MURKIN

WILLDAN CBO PROJECT NO. 13254

Project No.: P-0001-0001							
Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates			
				Issued Due	To Checker	From Checker	Plan Checker
			E101-R1 Electrical Symbols Sheet 1				
			E102-R1 Electrical Symbols Sheet 2				
			E103-R2 Electrical Symbols Sheet 3				
			E104-R2 Key One Line Diagram				
			E105-R1 Electrical Main One Line Diagram CIG #1				
			E106-R1 Electrical Main One Line Diagram CIG #2				
			E107-R1 Electrical Main One Line Diagram STG				
			E108-R2 480V Switchgear Bus 001A & 001B				
			E109-R2 480V Switchgear Bus 001A One Line Diagram				
			E110-R2 480V Switchgear Bus 001B One Line Diagram				
			E111-R2 480V Switchgear Bus 001B & STBY Gen				
			E113-R2 480V Cooling Tower MCC 011A				
			E114-R2 480V Cooling Tower MCC 011B				
			E120-R2 480V Switchgear Bus 001A One Line Diagram				
			E121-R2 480V Switchgear Bus 001B One Line Diagram				
			E122-R2 480V Switchgear Bus 002A One Line Diagram				
			E123-R2 480V Switchgear Bus 002B One Line Diagram				
			E128-R1 480V Balance of Plant misc 140-ELA-MC-021A				
			E130-R1 480V HRSIG #1 MCC 1-01-ELA-MC-014A				
			E131-R1 480V HRSIG #2 MCC 1-02-ELA-MC-014B				
			E132-R1 480V Essential Sys MCC 1-00-EGS-MC-001				
			E133-R1 480V Water Treatment 1-00-ELA-MC-022A				
			E134-R1 480V Water Treatment 1-00-ELA-MC-022B				
ELEC-1	5003	000074	Electrical Drawing-Underground conduits: 55 Drawings:	09/20/02	09/30/02	12/12/02	Response
						12/17/02	
ELEC-1	5004 (5003)	000121	Electrical Design Criteria: 4 Drawings (spec sheets) SD-E-004-GEN-001 Legend SD-E-004-GEN-001 Tray SD-E-004-GEN-002 Duct Bank SD-E-004-GEN-003 Notes	E354, Rev 0, E300, E316, E319, E322, E323, E324			
				E328, Rev. 1			
				E376, E377, E378, E379, E381			
				E382, E383, E384, E385, E386, Rev 0			
				E301, E302, E303, E304, E305, E306, E307, E308, E310, E311			
				E312, E313, E315, E317, E330, E331, E332, E333, E335			
				E337, E341, E342, E343, Rev 0			
				E350, E351, E352, E353, E358, E362, E363			
				E364, E370, E374, E375, Rev. 1 dated 8/23			
				E374, E375, E376, E377, E378, E379, Rev 2			
ELEC-1	5003 (5003)	000130	Underground Conduit and Duct Banks: 1 Letter, 1 Specs, 3 Reports Letter Responses to CBO comments of 12/17/02. Cable Schedule Racetray Report Cable Length Report	12/27/02 01/20/03	To Checker 1/07/02	05/12/03	Accepted
				01/15/02 02/05/03		05/05/03	Approved
				01/30/03			
ELEC-1	5003	000188	Underground Conduit and Duct Banks: 1 Letter, Follow-up Clarification	08/26/03	08/28/03	ES	Information Only
ELEC-1	5003	000170	Manhole Rollout Details: 6 Drawings	5/16/03 5/30/03	05/19/03	05/29/03	Approved
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 1				
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 2				
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 3				
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 4				
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 5				
ELEC-1	5003	000170	Electrical Manhole Rollout Details Sh 6				

**DOCUMENT SUBMISSION RECORD**  
PROJECT NUMBER AND DATE

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments	Documents
				Issued	To Checker	From Checker	Reply	Plan Checker		
ELEC-1	5003	000169	Embedded Conduit & Duct Banks: 74 Drawings	5/14/03 5/28/03	05/19/03	05/29/03	06/1/03	ES	Approved	
			E300 U/G Conduit Drawing Layout							74
			E301 U/G Conduit Overall Site Plan							74
			E302 U/G Conduit Plan Unit 1 Step-Up XFMR area							
			E303 U/G Conduit Plan Unit 1 Step-Up XFMR area							
			E304 U/G Conduit Plan Unit 2 Step-Up XFMR area							
			E305 U/G Conduit Plan CTG Unit 1 Area							
			E307 U/G Conduit Plan Unit 1 & 2 North Access Area							
			E308 U/G Conduit Plan CTG Unit 2 Area							
			E310 U/G Conduit Plan CTG Unit 1 Area							
			E311 U/G Conduit Plan Unit 1 & 2 North Access Area							
			E312 U/G Conduit Plan CTG Unit 2 Area							
			E313 U/G Conduit Plan Steam Turbine Area							
			E314 U/G Conduit Plan CTG Unit 1 Area							
			E315 U/G Conduit Plan Unit 1 & 2 North Access Area							
			E316 U/G Conduit Plan CTG Unit 2 Area							
			E317 U/G Conduit Plan Steam Turbine Area							
			E318 U/G Conduit Plan HRSG Unit 1 Area							
			E319 U/G Conduit Plan East Pierack Area							
			E320 U/G Conduit Plan HRSG Unit 2 Area							
			E321 U/G Conduit Plan Steam Turbine Area							
			E322 U/G Conduit Plan HRSG Unit 1 Area							
			E323 U/G Conduit Plan East Pierack Area							
			E324 U/G Conduit Plan HRSG Unit 2 Area							
			E325 U/G Conduit Plan Steam Turbine Area							
			E326 U/G Conduit Plan CTG Unit 1 Area							
			E327 U/G Conduit Plan CTG Unit 1 Area							
			E328 U/G Conduit Plan HRSG Unit 2 Area							
			E329 U/G Conduit Plan East Pierack Area							
			E330 U/G Conduit Plan HRSG Unit 1 CEINS Area							
			E331 U/G Conduit Plan HRSG Unit 2 CEINS Area							
			E332 U/G Conduit Plan HRSG Unit 2 CEINS Area							
			E333 U/G Conduit Plan Water Treatment Area							
			E335 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E336 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E337 U/G Conduit Plan Water Treatment Area							
			E339 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E340 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E341 U/G Conduit Plan Cooling Tower Area							
			E342 U/G Conduit Plan Cooling Tower Area							
			E343 U/G Conduit Plan Switchyard Area							
			E344 U/G Conduit Plan Water Treatment Area							
			E345 U/G Conduit Plan Water Treatment Area							
			E346 U/G Conduit Plan Water Treatment Area							
			E347 U/G Conduit Plan Water Treatment Area							
			E348 U/G Conduit Plan Water Treatment Area							
			E349 U/G Conduit Plan Water Treatment Area							
			E350 CTG Unit 1 Embedded Conduit Plan - Sh 1							
			E351 CTG Unit 1 Embedded Conduit Plan - Sh 2							
			E352 CTG Unit 1 Embedded Conduit Plan - Sh 3							
			E353 CTG Unit 1 Embedded Conduit Sections - Sh 1							
			E354 CTG Unit 1 Embedded Conduit Sections - Sh 2							
			E355 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E356 U/G Conduit Plan Admin/Ctr Rm/Warehouse Area							
			E357 Cooling Tower Area							
			E358 Units 1 & 2 Step Up XFMR Area							
			E360 CTG Unit 2 Embedded Conduit Plan - Sh 1							





**METCAL DOCUMENT SUBMISSION RECORD**  
**CALPINE B&R AND CBO**

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments	Documents	
				Issued Due	To Checker	From Checker	Plan Checker		Submit	Respond
STRUC-1	7001	Calpine Transmittal 00249	Switchyard Structure: 1 Calc, 1 Drawing: Power Engineers Inc. Calculation# 150312-01 Drawing# C02-1 Rev B	03/28/03	05/01/03				Sent note saying piles need to be on composite pile plan and submit in full size drawings	2 0
TSE	7002	Calpine Transmittal 00274	Switchyard Plans: 65 Drawings: C01 Foundation Plan EP02 Electrical Assembly Plan EP03-1 Electrical Elevations Sh 1 EP03-2 Electrical Elevations Sh 2 EP04 Fence & Grounding Plan EP05 Fence & Grounding Details EP10-1 Electrical Material List Sh 1 of 2 EP11 Assembly & Ctrl Bidding Nameplate schedule	03/28/03	05/01/03			GJ	Approved	
TSE	7002		E01 One-Line Diagram E02-1 Relay One-Line Diagram Sh 1 E02-2 Relay One-Line Diagram Sh 2 E03 Three-Line Diagram E04 Three-Line Diagram Circuit Breaker 242 E05 Three-Line Diagram Circuit Breaker 442 E06 Three-Line Diagram Circuit Breaker 232 E07 Three-Line Diagram Circuit Breaker 332 E08 Three-Line Diagram Circuit Breaker 432 E09 Three-Line Diagram 230kV Bus 1 & 2							ES
TSE	7002		E10 Station Service AC Panel Schematic E11 Station Service DC Panel Schematic E12 01-03-GSU-XF-301XFMR Differ Relay Schematic E13 Tmtl Differ & CB 242 BKR Failure Relay Schematic E14 CB 442 Breaker Failure Relay Schematic E15 01-01-GSU-XF-101XFMR Differ Relay Schematic E16 Tmtl Differ & CB 232 BKR Failure Relay Schematic E17 CB 332 Breaker Failure Relay Schematic E18 01-02-GSU-XF-201XFMR Differ Relay Schematic E19 Tmtl Differ & CB 432 BKR Failure Relay Schematic							
TSE	7002		E20-1 Annundiator Win Layout & Engraving E20-2 Annundiator Schematic Sh 2							
TSE	7002		E20-3 Annundiator Schematic Sh 3 E20-4 Annundiator Schematic Sh 4 E20-5 Annundiator Schematic Sh 5							

